UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 11,087,385 B2
APPLICATION NO. : 16/553553
DATED : August 10, 2021
INVENTOR(S) : Michael R. Kennewick, Sr.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims

Column 23, Line 48, (Claim 15, Line 4), please change "input after the receipt of other" to --input other--.

Signed and Sealed this
Twelfth Day of October, 2021

Drew Hirshfeld
Performing the Functions and Duties of the
Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR :	Michael R. KENNEWICK, Sr.	CONFIRMATION NO.:	1643
PATENT NUMBER :	11,087,385 B2	SERIAL NO.:	16/553,553
ISSUE DATE :	August 10, 2021	FILING DATE:	August 28, 2019
FOR :	VOICE COMMERCE		

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

The assignee of the above-identified patent, through its attorneys, hereby requests issuance of a Certificate of Correction. A certificate is required to correct the error as set forth below.

The error is considered to be the fault of the United States Patent and Trademark Office ("USPTO"). Therefore, no fee is required. However, in the event that it is determined that fees are due, the Commissioner is hereby authorized to charge the undersigned's Deposit Account No. 504561 (Reference No. 62KC-301480).

Correction in Patent Claim 15 (Which Corresponds to Original Claim 15)

Patent claim 15 (which corresponds to original claim 15) as printed has an error in it. Namely, the phrase "after the receipt of" in line 4 of the issued claim, was cancelled by the Response to Office Action filed November 25, 2020. Therefore, patent claim 15 should be amended to remove this phrase.

A copy of pages 5 and 6 of the Response to Office Action filed November 25, 2020, with the phrase in question circled, is attached as **EXHIBIT A**. The attached **EXHIBIT A** supports the contention that USPTO error resulted in the printing of the error in claim 15. Therefore, this claim as printed should be corrected.

CONCLUSION

It is respectfully requested that a Certificate of Correction be issued to correct this error. Form PTO/SB/44 is attached for this purpose.

Respectfully submitted,

SHEPPARD MULLIN RICHTER & HAMPTON LLP

By /Timothy P. Cremen/
Timothy P. Cremen
Registration No.: 50,855

Customer No.
133759

2099 Pennsylvania Avenue, NW
Suite 100
Washington, D.C. 20006-6801
Telephone: (202) 747-1854

Dated: September 15, 2021

EXHIBIT A

obtaining, by the computer system, shipping information with which to deliver the selected product or service, wherein the shipping information specifies a name or address of a recipient to which the selected product or service is to be delivered after the selected product or service is purchased, and wherein the purchase transaction is completed based on the payment information and the shipping information.

12. (**Currently Amended**) The method of claim 11, the method further comprising:

identifying, by the computer system, an intended recipient of the identified product or service based on the single first user input and/or the second user input, and wherein obtaining the shipping information comprises:

obtaining, by the computer system, an address of the intended recipient.

13. (**Original**) The method of claim 12, wherein obtaining the address of the intended recipient comprises:

accessing, by the computer system, an address book of the user, wherein the address book comprises an identification of the intended recipient and the address of the intended recipient.

14. (**Original**) The method of claim 11, the method further comprising:

completing, by the computer system, the purchase transaction without receiving confirmation of the payment information or the shipping information by the user.

15. (**Currently Amended**) The method of claim 1, the method further comprising:

providing, by the computer system, without further user input ~~after the receipt of~~ other than the single first user input, a request for user confirmation to complete the purchase transaction for the selected product or service, wherein the second user input is received responsive to the request;

determining, by the computer system, that the user has confirmed the purchase transaction based on the second user input, wherein the purchase transaction of the selected product or service is completed based on the determination.

16. (**Currently Amended**) A system for providing voice commerce, the system comprising:

one or more physical processors programmed with computer program instructions which, when executed, cause the one or more physical processors to:

receive a single first user input comprising a natural language utterance;

provide the natural language utterance as an input to a speech recognition engine;

obtain one or more words or phrases recognized from the natural language utterance as an output of the speech recognition engine;

search one or more databases of products or services based on the one or more words or phrases;

select, without further user input ~~after the receipt of~~ other than the single first user input, a product or service from the database to be purchased based on the search;

receive a second user input indicating confirmation by a user to complete a purchase transaction of the selected product or service; and

complete, without further user input after the receipt of the second user input, a purchase transaction of the selected product or service.

17. (**Currently Amended**) The system of claim 16, wherein to select the product or service, the one or more physical processors are further caused to:

determine a context based at least on the one or more words or phrases, wherein the product or service is selected based at least on the determined context.

PTO/SB/44 (09-07)
Approved for use through 03/31/2023. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 11,087,385

APPLICATION NO.: 16/553,553

ISSUE DATE : August 10, 2021

INVENTOR(S) : Michael R. KENNEWICK, Sr.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the claims,

Column 23, Line 48, (Claim 15, Line 4), please change "input after the receipt of other" to --input other--.

MAILING ADDRESS OF SENDER (Please do not use Customer Number below):
SHEPPARD MULLIN RICHTER & HAMPTON LLP
2099 Pennsylvania Avenue, NW, Suite 100
Washington, D.C. 20006-6801

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt	
EFS ID:	43773754
Application Number:	16553553
International Application Number:	
Confirmation Number:	1643
Title of Invention:	VOICE COMMERCE
First Named Inventor/Applicant Name:	Michael R. KENNEWICK
Customer Number:	133759
Filer:	Timothy P. Cremen/Susan Trader
Filer Authorized By:	Timothy P. Cremen
Attorney Docket Number:	62KC-301480
Receipt Date:	15-SEP-2021
Filing Date:	28-AUG-2019
Time Stamp:	15:13:01
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Certificate of Correction	62KC-301480_Request_for_Certificate_of_Correction.pdf	477249 32b36ed03a5a3b6ac339ac697857d1b938761041	no	7

Warnings:

Information:	
Total Files Size (in bytes):	477249

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	PATENT NUMBER	GROUP ART UNIT	REQUEST ID
16/553,553	11087385	3625	147010

PAIR Correspondence Address/Fee Address Change

The following fields have been changed to Customer Number 00197 on 09/03/2021 via Private PAIR in view of the certification copied below that authorized the change.

- Maintenance Fee Address

The address for Customer Number 00197 is:
00197
CPA GLOBAL LIMITED
2318 Mill Road 12th Floor
ALEXANDRIA, VA 22314

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

An attorney or Agent of Record registered to practice before the Patent and Trademark Office who has been given power of attorney in this application

Signature:	/James G. Gatto/
Name:	James G. Gatto
Registration Number:	32694

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/553,553	08/10/2021	11087385	62KC-301480	1643

133759 7590 07/21/2021

Sheppard Mullin Richter & Hampton LLP
650 Town Center Drive, 10th Floor
Costa Mesa, CA 92626

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Michael R. KENNEWICK Sr., Bellevue, WA;
VB Assets, LLC, Bellevue, WA;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

133759 7590 03/30/2021
Sheppard Mullin Richter & Hampton LLP
650 Town Center Drive, 10th Floor
Costa Mesa, CA 92626

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/553,553	08/28/2019	Michael R. KENNEWICK Sr.	62KC-301480	1643

TITLE OF INVENTION: VOICE COMMERCE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	06/30/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
AIRAPETIAN, MILA	3625	705-026100

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Sheppard Mullin Richter & Hampton LLP
2
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE: VB Assets, LLC

(B) RESIDENCE: (CITY and STATE OR COUNTRY): Bellevue, Washington

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ■ Corporation or other private group entity ❑ Government

4a. Fees submitted: ■ Issue Fee ❑ Publication Fee (if required) ❑ Advance Order - # of Copies _____

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

■ Electronic Payment via EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

■ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 504561

5. **Change in Entity Status** (from status indicated above)

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Timothy P. Cremen/ Date June 29, 2021

Typed or printed name Timothy P. Cremen Registration No. 50,855

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Amazon/VB Assets
Exhibit 1003
Page 13

Electronic Patent Application Fee Transmittal

Application Number:	16553553
Filing Date:	28-Aug-2019
Title of Invention:	VOICE COMMERCE
First Named Inventor/Applicant Name:	Michael R. KENNEWICK
Filer:	Timothy P. Cremen/Susan Trader
Attorney Docket Number:	62KC-301480

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	1501	1	1200	1200

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1200**

Electronic Acknowledgement Receipt	
EFS ID:	43122641
Application Number:	16553553
International Application Number:	
Confirmation Number:	1643
Title of Invention:	VOICE COMMERCE
First Named Inventor/Applicant Name:	Michael R. KENNEWICK
Customer Number:	133759
Filer:	Timothy P. Cremen/Susan Trader
Filer Authorized By:	Timothy P. Cremen
Attorney Docket Number:	62KC-301480
Receipt Date:	29-JUN-2021
Filing Date:	28-AUG-2019
Time Stamp:	15:54:24
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1200
RAM confirmation Number	E20216SF55100669
Deposit Account	504561
Authorized User	Susan Trader
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.19 (Document supply fees) 37 CFR 1.20 (Post Issuance fees)	

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	62KC-301480_Issue_Fee.pdf	150122 3fc13b783a8e898c00c4c84c926cdff847dfcc2b	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30274 ed60cafd2aaf32cf60f7cb90d17ac13d8ac28abc	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	180396		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/553,553	08/28/2019	Michael R. KENNEWICK Sr.	62KC-301480	1643

133759 7590 06/23/2021

Sheppard Mullin Richter & Hampton LLP
650 Town Center Drive, 10th Floor
Costa Mesa, CA 92626

EXAMINER	
AIRAPETIAN, MILA	

ART UNIT	PAPER NUMBER
3625	

NOTIFICATION DATE	DELIVERY MODE
06/23/2021	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

SheppardMullin_Pair@firsttofile.com
dmipdocketing@sheppardmullin.com

Supplemental ***Notice of Allowability***	**Application No.** 16/553,553	**Applicant(s)** KENNEWICK, Michael R.	
	Examiner MILA AIRAPETIAN	**Art Unit** 3625	**AIA (FITF) Status** Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 06/11/2021.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 1-40 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/MILA AIRAPETIAN/
Primary Examiner, Art Unit 3625

REASONS FOR ALLOWANCE

The Reasons for Allowance are the same as submitted in the Notice of Allowance mailed on 06/11/2021.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MILA AIRAPETIAN whose telephone number is (571)272-3202. The examiner can normally be reached on Monday-Friday 8:30 am-6:00 pm.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Smith can be reached on (571) 272-6763. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see https://ppair-my.uspto.gov/pair/PrivatePair. Should you have questions on access to the Private

PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MILA AIRAPETIAN/
Primary Examiner, Art Unit 3625

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	Art Unit
	MILA AIRAPETIAN	3625

CPC - Searched*		
Symbol	**Date**	**Examiner**
G06Q/all subclasses	08/19/2020	MA

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
705	all subclasses	08/19/2020	MA

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	**Date**	**Examiner**
IPR2020-01380 Reviewed Petition for Inter Partes Review of U.S. Patent No. 9,626,703	MM/DD/YYYY	MA
IPR2020-01381 Reviewed Petition for Inter Partes Review of U.S. Patent No. 9,626,703	MM/DD/YYYY	MA
Keyterm search in EAST	08/19/2020	MA
NPL Search in PROQUEST	08/19/2020	MA
Search updated	12/08/2020	MA
IDS considered	03/23/2021	MA
IDS considered	06/19/2021	MA

	/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625

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Exhibit 1003
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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	Art Unit
	MILA AIRAPETIAN	3625

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
705/G06Q30	26.1/06	12/08/2020	MA

	/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625

Amazon/VB Assets
Exhibit 1003
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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	**Art Unit**
	MILA AIRAPETIAN	3625

CPC								
Symbol							**Type**	**Version**
G06Q	/	30	/	0635			F	2013-01-01
G06Q	/	30	/	0601			I	2013-01-01
G10L	/	15	/	22			I	2013-01-01
G06Q	/	30	/	0625			I	2013-01-01
G10L	/	15	/	1815			I	2013-01-01
G10L	/	15	/	18			A	2013-01-01
G10L	/	2015	/	223			A	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	40	
/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625	19 June 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20210619

Amazon/VB Assets
Exhibit 1003
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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	**Art Unit**
	MILA AIRAPETIAN	3625

INTERNATIONAL CLASSIFICATION				
CLAIMED				
G06Q	/	30	/	00
NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
705	26.1

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	40	
/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625	19 June 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20210619

Amazon/VB Assets
Exhibit 1003
Page 25

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	**Art Unit**
	MILA AIRAPETIAN	3625

☑ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	40	
/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625	19 June 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20210619

Amazon/VB Assets
Exhibit 1003
Page 26

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20030216919".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2021/06/19 14:54
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S3	34	((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer)) and (confirm$7 approv$3)	US-PGPUB; USPAT	OR	ON	2015/11/29 14:05
S4	26	((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer)) and (confirm$7 approv$3) and (ship$4 deliver$3) and (payment)	US-PGPUB; USPAT	OR	ON	2015/11/29 14:05
S19	23	("20020120674" | "20060122976" | "20070282703" | "20090006336" | "20090012418" | "20090287680" | "20090304161" | "20100061534" | "20100203770" | "20110106527" | "20110246330" | "20120203770" | "20120235865" | "5897622" | "6345239" | "6771766" | "6928417" | "7454368" | "7672931" | "7780081" | "7801570" | "8099289" | "8353452").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/11/29 15:36
S20	332	(G06Q30/06 G06Q30/0617 G06F17/2785 G06F17/3064).cpc. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2015/11/29 20:02
S21	159	(707/713 704/10 379/88.01 707/999 705/26.1).ccls. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2015/11/29 20:04
S22	1	"8849791" .pn.	US-PGPUB; USPAT	OR	ON	2015/11/29 20:09
S23	23	("20020120674" | "20060122976" | "20070282703" | "20090006336" |	US-PGPUB;	OR	ON	2015/11/29 20:10

		"20090012418" | "20090287680" | "20090304161" | "20100061534" | "20100203770" | "20110106527" | "20110246330" | "20120203770" | "20120235865" | "5897622" | "6345239" | "6771766" | "6928417" | "7454368" | "7672931" | "7780081" | "7801570" | "8099289" | "8353452").PN.	USPAT; USOCR			
S24	0	("8849791").URPN.	USPAT	OR	ON	2015/11/29 20:10
S25	1	"7454368" .pn.	US-PGPUB; USPAT	OR	ON	2015/11/29 20:10
S26	9	("20040264663" | "20040267549" | "5974406" | "6687341" | "6714778" | "6778991" | "6816578" | "6865261" | "6891932").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/11/29 20:10
S27	2	("7454368").URPN.	USPAT	OR	ON	2015/11/29 20:10
S28	1	"7672931" .pn.	US-PGPUB; USPAT	OR	ON	2015/11/29 20:11
S29	18	("20020116377" | "20030037043" | "20030061054" | "20040162674" | "20050143999" | "20050171936" | "20050283369" | "20060116876" | "20060116987" | "20060282408" | "20060287985" | "20080222127" | "5991739" | "6615172" | "6650997" | "6999932" | "7027987" | "7228340").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/11/29 20:11
S30	28	("7672931").URPN.	USPAT	OR	ON	2015/11/29 20:11
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		G06Q20/383 OR G06Q20/387 OR G06Q20/401 OR G06Q20/4016 OR G06Q20/403 OR G06Q30/01 OR G06Q30/012 OR G06Q30/0251 OR G06Q30/0639 OR G06Q40/00 OR G06Q40/02 OR G06Q40/04 OR G06Q50/188 OR G06Q10/02 OR G06Q20/382 OR G06Q20/3821 OR G06Q20/3823 OR G06Q20/385 OR G06Q20/40145 OR G06Q20/405 OR G06Q20/425 OR G06Q30/00 OR G06Q30/0222 OR G06Q30/0617 OR G06Q30/0635 OR G06Q30/08 OR G06Q10/06312 OR G06Q10/08 OR G06Q10/0837 OR G06Q10/101 OR G06Q10/20 OR G06Q20/00 OR G06Q20/322 OR G06Q20/3274 OR G06Q20/3276 OR G06Q20/363 OR G06Q20/389 OR G06Q30/0212 OR G06Q30/0215 OR G06Q30/0225 OR G06Q30/0226 OR G06Q30/0238 OR G06Q30/0241 OR G06Q30/0242 OR G06Q30/0269 OR G06Q30/0271 OR G06Q30/0274 OR G06Q30/0277 OR G06Q30/0283 OR G06Q30/04 OR G06Q30/0609 OR G06Q30/0611 OR G06Q30/0623 OR G06Q30/0625 OR G06Q30/0631 OR G06Q30/0637 OR G06Q40/125 OR G06Q40/128 OR H04M3/523 OR H04M3/5166 OR H04M2203/252 OR H04M3/493 OR H04M3/5233 OR H04M3/4936 OR H04M3/5183 OR H04M3/5191 OR H04M15/00 OR H04M2201/38 OR H04M2201/40 OR H04M2201/42 OR H04M2201/54 OR H04M2203/1058 OR H04M2203/2038 OR H04M2203/408 OR H04M3/51 OR H04M3/5141 OR H04M7/0066 OR H04M7/0075 OR H04M15/68 OR H04M15/8038 OR H04M15/854 OR H04M17/00 OR H04M1/72522 OR H04M2201/60 OR H04M2215/0196 OR H04M2215/32 OR H04M2215/34 OR H04M2215/7442 OR H04M2215/8166 OR H04M3/5108 OR H04L67/10 OR H04L67/306 OR H04L51/00 OR H04L51/32 OR H04L63/08 OR H04L67/12 OR H04L12/1813 OR H04L63/083 OR H04L63/0876 OR H04L63/104 OR H04L65/403 OR H04L2209/56 OR H04L41/22 OR H04L63/0815 OR H04L63/0861 OR H04L67/02 OR H04L67/16 OR H04L67/303 OR H04L9/3226 OR H04L12/283 OR H04L12/2834 OR H04L12/2898 OR				

		H04L12/586 OR H04L12/588 OR H04L43/0817 OR H04L63/18 OR H04L65/1073 OR H04L65/4084 OR H04L67/20 OR H04L67/22 OR H04L67/2838 OR G06F17/30256 OR G06F17/30259 OR G06F17/30646 OR G06F2221/2119 OR G06F2221/2129 OR G06F17/2785 OR G06F17/30061 OR G06F17/30522 OR G06F17/3064 OR G06F17/30864 OR G06F21/32 OR G06F3/0482 OR G06F3/0484 OR G06F3/04842 OR G06F3/0485 OR G06F17/243 OR G06F17/30218 OR G06F17/30867 OR G06F17/30876 OR G06F17/30905 OR G06F17/30997 OR G06F8/51 OR G06F8/76 OR G08B13/19641 OR G08B13/19656 OR G08B13/19663 OR G08B13/19673 OR G08B13/1968 OR G08B13/196 OR H04W4/00 OR H04W4/206 OR H04W4/12 OR H04W4/14 OR H04W4/16 OR H04W8/265 OR H04W12/06 OR H04W12/12 OR H04W4/02 OR G06K9/00624 OR G06K2017/0067 OR G06K2019/06234 OR G06K9/627 OR A63F2300/205 OR G01C21/206 OR G01S19/46 OR G01S5/0036 OR G01S5/0054 OR G01S5/0081 OR G01S5/021 OR G01S5/0215 OR G01S5/0221 OR G01S5/14 OR G10L15/22 OR G10L13/00 OR G10L15/26 OR G10L15/30 OR H04N21/25841 OR H04N21/2662 OR H04N21/2668 OR H04N21/41422 OR H04N21/44222 OR H04N21/4788 OR H04N21/615 OR H04N21/632 OR H04N21/8126 OR H04N7/147).CPC.)				
S33	28	(utter$6 same (natural adj language) same ((determin$4 pars$3) near9 context)) and ((purchas$3 buy$3 transact$3) near19 (product merchandise good item))	US-PGPUB; USPAT	OR	ON	2016/05/10 12:25
S34	1	"20110112827".pn.	US-PGPUB; USPAT	OR	ON	2016/05/10 12:35
S35	46	(natural near4 language) same (deliver$3 near19 (address name)) same (product merchandise good item)	US-PGPUB; USPAT	OR	ON	2016/09/17 19:48
S36	46	((natural near4 language) same (deliver$3 near19 (address name)) same (product merchandise good item)) and (pars$3 recogni$7)	US-PGPUB; USPAT	OR	ON	2016/09/17 19:50
S37	27	((natural near4 language) same (deliver$3 near19 (address name)) same (product merchandise good item)) and ((word phrase) same (pars$3 recogni$7))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:50

S38	1	"20150032602".pn. and ((natural near9 language) same (pars$3 extract$3))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:54
S39	83	((natural near4 language) same (word phrase) same (pars$3 recogni$7)) and ((deliver$3 near19 (address name)) same (product merchandise good item))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:59
S40	43	((natural near4 language) same (word phrase) same (pars$3 recogni$7)) and ((deliver$3 near19 (address name)) same (purchas$3 near19 (product merchandise good item)))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:59
S41	197	S40 not3	US-PGPUB; USPAT	OR	ON	2016/09/17 20:00
S42	41	S40 not S37	US-PGPUB; USPAT	OR	ON	2016/09/17 20:00
S43	2	("5742845" | "6012098").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/09/17 20:06
S44	348	("6226675").URPN.	USPAT	OR	ON	2016/09/17 20:07
S45	1	"20020161647".pn.	US-PGPUB; USPAT	OR	ON	2016/09/17 20:08
S46	252	(access$3 near9 (address near2 book)) same (name address) same (deliver$3 ship$7)	US-PGPUB; USPAT	OR	ON	2016/09/17 20:39
S47	44	((access$3 near9 (address near2 book)) same (name same address) same (deliver$3 ship$7))	US-PGPUB; USPAT	OR	ON	2016/09/17 20:40
S48	28	((access$3 near9 (address near2 book)) same (name same address) same (deliver$3 ship$7)) and (voice language)	US-PGPUB; USPAT	OR	ON	2016/09/17 20:40
S49	18	((access$3 near9 (address near2 book)) same (name same address) same (deliver$3 ship$7)) and ((voice language) same (recogni$6 interpret$3 pars$3))	US-PGPUB; USPAT	OR	ON	2016/09/17 20:40
S50	1	"20090259561".pn.	US-PGPUB; USPAT	OR	ON	2016/09/17 20:44
S51	0	"20090259561".pn. and (natural near3 language)	US-PGPUB; USPAT	OR	ON	2016/09/17 20:48

S52	26	S48 AND ((H04L67/26 OR H04L12/581 OR H04L12/587 OR H04L2463/101 OR H04L29/06027 OR H04L51/04 OR H04L51/10 OR H04L51/24 OR H04L51/30 OR H04L51/32 OR H04L51/34 OR H04L63/0236 OR H04L63/04 OR H04L63/0428 OR H04L63/0435 OR H04L63/0823 OR H04L63/083 OR H04L63/0861 OR H04L63/10 OR H04L65/1006 OR H04L65/103 OR H04L65/104 OR H04L65/1069 OR H04L65/4007 OR H04L67/02 OR H04L67/06 OR H04L67/14 OR H04L67/306 OR H04L67/32 OR H04L67/42 OR G06Q30/0261 OR G06Q30/0633 OR G06Q30/0635 OR G06Q30/0641 OR G06Q20/28 OR G06Q20/36 OR G06Q30/0621 OR G06Q20/105 OR G06Q20/227 OR G06Q20/363 OR G06Q20/405 OR G06Q30/0601 OR G06Q10/08 OR G06Q10/083 OR G06Q10/10 OR G06Q10/107 OR G06Q20/12 OR G06Q20/20 OR G06Q20/3226 OR G06Q20/3227 OR G06Q20/325 OR G06Q20/3276 OR G06Q20/3278 OR G06Q20/351 OR G06Q20/3552 OR G06Q20/425 OR G06Q30/02 OR G06Q30/0226 OR G06Q30/0251 OR G06Q30/0255 OR G06Q30/0256 OR G06Q30/0257 OR G06Q30/0277 OR G06Q30/06 OR G06Q30/0631 OR G06Q40/00 OR G06Q40/02 OR H04W4/001 OR H04W4/008 OR H04W4/02 OR H04W4/023 OR H04W4/026 OR H04W4/14 OR H04W4/206 OR G06F17/30244 OR G06F17/30575 OR G06F17/3089 OR G06F17/2235 OR G06F21/606 OR G06F2221/2107 OR G06K9/00087 OR G06K9/00221 OR G06K9/00228 OR G06K9/00617 OR G06K9/00926 OR H04B1/406).CPC.)	US-PGPUB; USPAT	OR	ON	2016/09/17 21:01
S53	2	704/10.ccls. and (((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer)))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:53
S54	2	704/10.ccls. and (((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:53
S55	502	704/10.ccls. and (speech near9 recognition)	US-PGPUB; USPAT	OR	ON	2017/01/13 21:53

S56	57	704/10.ccls. and ((speech near9 recognition) and (buy$3 purchas$3))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54
S57	162	(707/713 704/10 379/88.01 707/999 705/26.1).ccls. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54
S58	158	(((voice speech) near19 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54
S59	156	S58 AND ((G06Q30/016 OR G06Q30/06 OR G06Q30/0601 OR G06Q30/02 OR G06Q20/10 OR G06Q20/102 OR G06Q30/0633 OR G06Q40/12 OR G06Q20/20 OR G06Q20/40 OR G06Q10/06 OR G06Q10/087 OR G06Q10/10 OR G06Q20/04 OR G06Q20/32 OR G06Q20/12 OR G06Q20/204 OR G06Q30/0207 OR G06Q30/0613 OR G06Q40/025 OR G06Q40/123 OR G06Q50/01 OR G06Q10/063112 OR G06Q20/02 OR G06Q20/0855 OR G06Q20/207 OR G06Q20/3223 OR G06Q20/3674 OR G06Q20/383 OR G06Q20/387 OR G06Q20/401 OR G06Q20/4016 OR G06Q20/403 OR G06Q30/01 OR G06Q30/012 OR G06Q30/0251 OR G06Q30/0639 OR G06Q40/00 OR G06Q40/02 OR G06Q40/04 OR G06Q50/188 OR G06Q10/02 OR G06Q20/382 OR G06Q20/3821 OR G06Q20/3823 OR G06Q20/385 OR G06Q20/40145 OR G06Q20/405 OR G06Q20/425 OR G06Q30/00 OR G06Q30/0222 OR G06Q30/0617 OR G06Q30/0635 OR G06Q30/08 OR G06Q10/06312 OR G06Q10/08 OR G06Q10/0837 OR G06Q10/101 OR G06Q10/20 OR G06Q20/00 OR G06Q20/322 OR G06Q20/3274 OR G06Q20/3276 OR G06Q20/363 OR G06Q20/389 OR G06Q30/0212 OR G06Q30/0215 OR G06Q30/0225 OR G06Q30/0226 OR G06Q30/0238 OR G06Q30/0241 OR G06Q30/0242 OR G06Q30/0269 OR G06Q30/0271 OR G06Q30/0274 OR G06Q30/0277 OR G06Q30/0283 OR G06Q30/04 OR G06Q30/0609 OR G06Q30/0611 OR G06Q30/0623 OR G06Q30/0625 OR G06Q30/0631 OR G06Q30/0637 OR G06Q40/125 OR G06Q40/128 OR	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54

		H04M3/523 OR H04M3/5166 OR H04M2203/252 OR H04M3/493 OR H04M3/5233 OR H04M3/4936 OR H04M3/5183 OR H04M3/5191 OR H04M15/00 OR H04M2201/38 OR H04M2201/40 OR H04M2201/42 OR H04M2201/54 OR H04M2203/1058 OR H04M2203/2038 OR H04M2203/408 OR H04M3/51 OR H04M3/5141 OR H04M7/0066 OR H04M7/0075 OR H04M15/68 OR H04M15/8038 OR H04M15/854 OR H04M17/00 OR H04M1/72522 OR H04M2201/60 OR H04M2215/0196 OR H04M2215/32 OR H04M2215/34 OR H04M2215/7442 OR H04M2215/8166 OR H04M3/5108 OR H04L67/10 OR H04L67/306 OR H04L51/00 OR H04L51/32 OR H04L63/08 OR H04L67/12 OR H04L12/1813 OR H04L63/083 OR H04L63/0876 OR H04L63/104 OR H04L65/403 OR H04L2209/56 OR H04L41/22 OR H04L63/0815 OR H04L63/0861 OR H04L67/02 OR H04L67/16 OR H04L67/303 OR H04L9/3226 OR H04L12/283 OR H04L12/2834 OR H04L12/2898 OR H04L12/586 OR H04L12/588 OR H04L43/0817 OR H04L63/18 OR H04L65/1073 OR H04L65/4084 OR H04L67/20 OR H04L67/22 OR H04L67/2838 OR G06F17/30256 OR G06F17/30259 OR G06F17/30646 OR G06F2221/2119 OR G06F2221/2129 OR G06F17/2785 OR G06F17/30061 OR G06F17/30522 OR G06F17/3064 OR G06F17/30864 OR G06F21/32 OR G06F3/0482 OR G06F3/0484 OR G06F3/04842 OR G06F3/0485 OR G06F17/243 OR G06F17/30218 OR G06F17/30867 OR G06F17/30876 OR G06F17/30905 OR G06F17/30997 OR G06F8/51 OR G06F8/76 OR G08B13/19641 OR G08B13/19656 OR G08B13/19663 OR G08B13/19673 OR G08B13/1968 OR G08B13/196 OR H04W4/00 OR H04W4/206 OR H04W4/12 OR H04W4/14 OR H04W4/16 OR H04W8/265 OR H04W12/06 OR H04W12/12 OR H04W4/02 OR G06K9/00624 OR G06K2017/0067 OR G06K2019/06234 OR G06K9/627 OR A63F2300/205 OR G01C21/206 OR G01S19/46 OR G01S5/0036 OR G01S5/0054 OR G01S5/0081 OR G01S5/021 OR G01S5/0215 OR G01S5/0221 OR G01S5/14 OR G10L15/22 OR G10L13/00 OR G10L15/26 OR G10L15/30 OR				

		H04N21/25841 OR H04N21/2662 OR H04N21/2668 OR H04N21/41422 OR H04N21/44222 OR H04N21/4788 OR H04N21/615 OR H04N21/632 OR H04N21/8126 OR H04N7/147).CPC.)				
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S64	1	"20170221134" .pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2018/12/10 10:42
S65	437	(G06Q30/06 G06Q30/0617 G06F17/2785 G06F17/3064).cpc. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2018/12/10 11:49
S66	285	(access$3 near9 (address near2 book)) same (name address) same (deliver$3 ship$7)	US-PGPUB; USPAT	OR	ON	2018/12/10 11:50
S67	20	((natural near9 language) same (speech near9 recogn$7) same (word phrase)) and (select$3 near9 (seller provider vendor vender merchant)) and ((complet$3 near9 purchas$3) same automatically)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:31
S68	30	((speech near9 recogn$7) same (word phrase)) and (select$3 near9 (seller provider vendor vender merchant)) and ((complet$3 near9 purchas$3) same automatically)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:34

S69	17	((speech near9 recogn$7) same (word phrase)) and (select$3 near9 (seller provider vendor vender merchant)) and ((complet$3 near9 purchas$3) same (without near3 input$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:34
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S71	3	("20140136187" | "7502730" | "9318108").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:37
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S73	9	("20080270135" | "20090030686" | "20090055176" | "20090157382" | "20090171912" | "20100023331" | "20100268536" | "20150066479" | "5331554").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:38
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S100	0	S98 and ((natural near19 language) same (pars$3 utter$3)) and (confirm$8 approv$3) and (profile same ship$7 same pay$6)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 13:58
S101	61	S98 and ((natural near19 language) same (interpret$7 pars$3 utter$3)) and (confirm$8 approv$3) and (profile same (ship$7 pay$6))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 13:59
S102	7	S98 and ((natural near19 language) same (interpret$7 pars$3 utter$3)) and (profile same (ship$7 pay$6)) and ((confirm$8 approv$3) same (purchas$3 buy$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:07
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S113	805	S105 or S106 or S107 or S108 or S110 or S111 or S112 or S109	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:55
S114	1	S113 and S104	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:55
S115	1	("200902655163" "20090304161").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 15:04
S116	2	("20090265163" "20090304161").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 15:05
S117	1	("20090265163" "20090304161").pn. and (buy$3 purchas$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 15:06
S118	3	("6,859,776" "8,078,502" "20040193420").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/18 15:10
S147	1	"8078502".pn.	US-PGPUB; USPAT;	OR	ON	2020/08/19 11:46

			EPO; JPO			
S148	0	"8078502".pn. and ((seller merchant provider retail$2) same database)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:50
S149	1	"8078502".pn. and ((seller merchant provider retail$2) same (product merchandise good item))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:50
S150	1	("20040193420").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:52
S151	1	("20040193420").pn. and ((seller provider merchant retailer) same database)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:52
S152	0	("20040193420").pn. and ((seller provider merchant retailer) same pric$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:57
S153	1	"8078502".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:09
S154	1	("6,859,776").pn. and database	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:21
S155	7	((predetermin$3 (pre near2 determin$3) pre-determin$3) same ((set list group) near9 (seller merchant provider retail)) same database same price) and ((natural near9 language) same (pars$3 interpret$3 voice utter$5))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:32
S156	12	((profile account) same ((set list group) near9 (seller merchant provider retail)) same database same price) and ((natural near9 language) same (pars$3 interpret$3 voice utter$5))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:49

S157	10	S156 not S155	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:49
S158	13	((profile account) same (seller merchant provider retail) same database same price) and ((natural near9 language) same (pars$3 interpret$3 voice utter$5)) and ((select$3 near19 (seller merchant provider retail)) same (based near9 price))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:57
S159	12	S158 not S157	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:58
S160	0	"7792709".pn. and (select$3 near19 seller)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 13:00
S161	1	"7792709".pn. and (select$3 near19 merchant)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 13:00
S162	1	"7792709".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 13:04
S163	1	"7792709".pn. and (database same stor$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 17:47
S164	0	((prefered near19 (seller merchant provider)) same profile) and (database near29 (seller merchant provider)) and ((select$3 near19 (seller merchant provider)) same (based near9 price))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 17:53
S165	272	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 (seller merchant provider)) and ((select$3 near19 (seller merchant provider)) same (based near9 price))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 17:53
S166	6	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 (seller merchant provider)) and ((select$3 near19	US-PGPUB; USPAT;	OR	ON	2020/08/19 17:54

		(seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	EPO; JPO			
S167	0	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 pric$3) and ((select$3 near19 (seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:42
S168	6	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 stor$3) and ((select$3 near19 (seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:42
S169	0	S168 not S166	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:42
S170	5	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 search$3) and ((select$3 near19 (seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:43
S171	5	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 search$3) and ((select$3 near19 (seller merchant provider)) same (low$5 near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:43
S172	0	S171 not S170	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:44
S173	27	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 search$3) and ((select$3 near19 (seller merchant provider)) same price) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:44
S174	22	S173 not S171	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:45

S175	1	"20090171760" .pn. and ((seller provider merchant) same profile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:51
S178	150	((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 pars$3)) and ((prefer$4 near9 (seller merchant provider)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:01
S179	14	((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 pars$3)) and (((prefer$4 near9 (seller merchant provider))) same select$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:01
S181	6,407	((select$3 near9 (seller provider merchant)) same pric$3) and ((set list) near9 (seller provider merchant)) and ((seller provider merchant) same (profile account))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:06
S182	22	((select$3 near9 (seller provider merchant)) same pric$3) and ((set list) near9 (seller provider merchant)) and ((seller provider merchant) same (profile account)) and ((natural near9 language) same voice same input$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:07
S183	49	((select$3 near9 (seller provider merchant)) same (low$5 near3 pric$3)) and ((set list) near9 (seller provider merchant)) and ((seller provider merchant) same (profile account)) and (natural near9 language)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:10
S184	44	S183 not S182	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:11
S185	1	"20140136259" .pn. and (consumer same provider same profile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:13
S186	1	"20140136259" .pn. and (consumer same (merchant provider) same profile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:14

S187	1	"20140136259" .pn. and (select$3 near9 (merchant provider))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:17
S188	7	(intended near9 recipient) same (address near9 book) same shipping same (access$3 obtain$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:27
S189	19	((gift present) same (intended near9 recipient)) and ((address near9 book) same shipping same (access$3 obtain$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:29
S190	36	(address near19 (intended near9 recipient)) and ((address near9 book) same shipping same (access$3 obtain$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:35
S191	17	S190 not S189	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:35
S192	0	"20140136259".pn. and (search$3 same (display$3 near9 result))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 21:29
S193	1	"20140136259".pn. and (search$3 near9 result)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 21:29
S194	1	"6859776".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 21:40
S195	157	((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 22:05
S196	142	S195 AND ((G06Q30/02 OR G06Q30/08 OR G06Q30/0247 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0273 OR G06Q30/0275 OR G06Q10/00 OR	US-PGPUB; USPAT;	OR	ON	2020/08/19 22:05

		G06Q30/0267 OR G06Q30/06 OR G06Q30/0631 OR G06Q30/0643 OR G06Q50/01 OR G06Q99/00 OR G06Q30/0255 OR G06Q30/0241 OR G06Q30/0261 OR G06Q30/0201 OR G06Q30/0246 OR G06Q30/0254 OR G06Q30/0256 OR G06Q10/087 OR G06Q30/00 OR G06Q30/0601 OR G06Q40/04 OR G06Q10/101 OR G06Q30/0271 OR G06Q30/0277).CPC.)	EPO; JPO			
S197	1	705/$7.ccls. and (((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 p)ars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 22:06
S198	592	(input$4 same (natural near4 language)) and (((buy$3 purchas$3 deliver$3) near19 (address name)) same (product merchandise good item)) and (pars$3 recogni$7) and (database same (product merchandise good item service))	US-PGPUB; USPAT	OR	ON	2020/12/08 16:42
S199	227	(input$4 same (natural near4 language)) and (((buy$3 purchas$3 deliver$3) near19 (address name)) same (product merchandise good item)) and (pars$3 recogni$7) and (database same (select$3 near19 (product merchandise good item service)))	US-PGPUB; USPAT	OR	ON	2020/12/08 16:43
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S205	2	("10366442").URPN.	USPAT	OR	ON	2020/12/08 17:52
S206	365	S198 not S199	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/12/08 17:53
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S210	1	("6076057").PN.	US-PGPUB; USPAT	OR	ON	2021/01/23 14:43
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Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	3625
	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

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/M.A/	1	20030216919		2003-11-20	ROUSHAR JOSEPH C	

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	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

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Examiner Signature	/MILA AIRAPETIAN/	Date Considered	06/19/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

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	Art Unit	3625
	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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OR

☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Timothy P. Cremen/	Date (YYYY-MM-DD)	2021-06-11
Name/Print	Timothy P. Cremen	Registration Number	50,855

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

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CONFIRMATION NO. 1643

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
16/553,553	08/28/2019	705	3625	62KC-301480

APPLICANTS
VB Assets, LLC, Bellevue, WA;

INVENTORS
Michael R. KENNEWICK Sr., Bellevue, WA;

**** CONTINUING DATA ***************************
This application is a CON of 15/484,930 04/11/2017 PAT 10430863
which is a CON of 14/855,334 09/15/2015 PAT 9626703
which claims benefit of 62/051,273 09/16/2014

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****
09/09/2019

Foreign Priority claimed ❑ Yes ☑ No 35 USC 119(a-d) conditions met ❑ Yes ☑ No Verified and Acknowledged /MILA AIRAPETIAN/ Examiner's Signature	❑ Met after Allowance MA Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		WA	6	38	4

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Sheppard Mullin Richter & Hampton LLP
650 Town Center Drive, 10th Floor
Costa Mesa, CA 92626
UNITED STATES

TITLE

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	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	3625
	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

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	1	20030216919		2003-11-20	ROUSHAR JOSEPH C	

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A certification statement is not submitted herewith.

SIGNATURE

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Signature	/Timothy P. Cremen/	Date (YYYY-MM-DD)	2021-06-11
Name/Print	Timothy P. Cremen	Registration Number	50,855

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal	
Application Number:	16553553
Filing Date:	28-Aug-2019
Title of Invention:	VOICE COMMERCE
First Named Inventor/Applicant Name:	Michael R. KENNEWICK
Filer:	Timothy P. Cremen/Susan Trader
Attorney Docket Number:	62KC-301480
Filed as Large Entity	
Filing Fees for Utility under 35 USC 111(a)	

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	1806	1	260	260
		Total in USD ($)		**260**

Electronic Acknowledgement Receipt	
EFS ID:	42968288
Application Number:	16553553
International Application Number:	
Confirmation Number:	1643
Title of Invention:	VOICE COMMERCE
First Named Inventor/Applicant Name:	Michael R. KENNEWICK
Customer Number:	133759
Filer:	Timothy P. Cremen/Susan Trader
Filer Authorized By:	Timothy P. Cremen
Attorney Docket Number:	62KC-301480
Receipt Date:	11-JUN-2021
Filing Date:	28-AUG-2019
Time Stamp:	16:26:32
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$260
RAM confirmation Number	E20216AG26443654
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	62KC-301480_Transmittal-Letter.pdf	502885 d33c6a58d06eb7c95044dd368969a6379656aed2	no	1
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	62KC-301480_PTO_IDS-Form.pdf	1053098 9e7ffd6c2c8bead359504c306d34f434eeec3a8d	no	4
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30545 d840a7714e2a8cdcf8dd50ae767ede13b54f27f6	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1586528		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		
	Application Number	16/553,553
	Filing Date	08/28/2019
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	3625
Page 1 of 1	**Matter Number**	62KC-301480

GENERAL

Pursuant to 37 C.F.R. 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed herewith. A copy of each listed reference, other than U.S. patents/applications and references cited in a parent application, is enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

TIMING

In accordance with 37 CFR 1.97(d), this Information Disclosure Statement is being filed after the period specified in 37 CFR 1.97(c) and on or before payment of the issue fee.

CERTIFICATION STATEMENT

No item of information contained in this information disclosure statement was cited in any communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this information disclosure statement.

FEE

This Information Disclosure Statement is being filed in accordance with 37 CFR 1.97(d). Therefore, this Information Disclosure Statement is subject to the $260 (large entity) fee set forth in 37 CFR 1.17(p).

ADDITIONAL COMMENTS

SIGNATURE

Signature	/ Timothy P. Cremen /	**Date**	2021-06-11
Name	Timothy P. Cremen	**Registration Number**	50,855

SyncIDS.com

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

133759 7590 03/30/2021

Sheppard Mullin Richter & Hampton LLP
650 Town Center Drive, 10th Floor
Costa Mesa, CA 92626

EXAMINER
AIRAPETIAN, MILA

ART UNIT	PAPER NUMBER
3625	

DATE MAILED: 03/30/2021

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/553,553	08/28/2019	Michael R. KENNEWICK Sr.	62KC-301480	1643

TITLE OF INVENTION: VOICE COMMERCE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	06/30/2021

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PTOL-85 (Rev. 02/11)

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Page 96

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

133759 7590 03/30/2021
Sheppard Mullin Richter & Hampton LLP
650 Town Center Drive, 10th Floor
Costa Mesa, CA 92626

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/553,553	08/28/2019	Michael R. KENNEWICK Sr.	62KC-301480	1643

TITLE OF INVENTION: VOICE COMMERCE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	06/30/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
AIRAPETIAN, MILA	3625	705-026100

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. Fees submitted: ❑Issue Fee ❑Publication Fee (if required) ❑Advance Order - # of Copies _____

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

❑ Electronic Payment via EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. **Change in Entity Status** (from status indicated above)

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

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Exhibit 1003
Page 97

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/553,553	08/28/2019	Michael R. KENNEWICK Sr.	62KC-301480	1643

133759 7590 03/30/2021

Sheppard Mullin Richter & Hampton LLP
650 Town Center Drive, 10th Floor
Costa Mesa, CA 92626

EXAMINER	
AIRAPETIAN, MILA	
ART UNIT	PAPER NUMBER
3625	

DATE MAILED: 03/30/2021

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 16/553,553	Applicant(s) KENNEWICK, Michael R.	
	Examiner MILA AIRAPETIAN	Art Unit 3625	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 03/16/2021.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 1-40 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/MILA AIRAPETIAN/
Primary Examiner, Art Unit 3625

REASONS FOR ALLOWANCE

The Reasons for Allowance are the same as submitted in the Notice of Allowance mailed on 12/21/2020.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MILA AIRAPETIAN whose telephone number is (571)272-3202. The examiner can normally be reached on Monday-Friday 8:30 am-6:00 pm.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Smith can be reached on (571) 272-6763. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see https://ppair-my.uspto.gov/pair/PrivatePair. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access

to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MILA AIRAPETIAN/
Primary Examiner, Art Unit 3625

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	Art Unit
	MILA AIRAPETIAN	3625

CPC - Searched*		
Symbol	**Date**	**Examiner**
G06Q/all subclasses	08/19/2020	MA

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
705	all subclasses	08/19/2020	MA

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	**Date**	**Examiner**
IPR2020-01380 Reviewed Petition for Inter Partes Review of U.S. Patent No. 9,626,703	MM/DD/YYYY	MA
IPR2020-01381 Reviewed Petition for Inter Partes Review of U.S. Patent No. 9,626,703	MM/DD/YYYY	MA
Keyterm search in EAST	08/19/2020	MA
NPL Search in PROQUEST	08/19/2020	MA
Search updated	12/08/2020	MA
IDS considered	03/23/2021	MA

	/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625

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Exhibit 1003
Page 103

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	Art Unit
	MILA AIRAPETIAN	3625

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
705/G06Q30	26.1/06	12/08/2020	MA

	/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625

Amazon/VB Assets
Exhibit 1003
Page 104

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	**Art Unit**
	MILA AIRAPETIAN	3625

CPC								
Symbol							**Type**	**Version**
G06Q	/	30	/	0635			F	2013-01-01
G06Q	/	30	/	0601			I	2013-01-01
G10L	/	15	/	22			I	2013-01-01
G06Q	/	30	/	0625			I	2013-01-01
G10L	/	15	/	1815			I	2013-01-01
G10L	/	15	/	18			A	2013-01-01
G10L	/	2015	/	223			A	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
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NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	40	
/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625	23 March 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

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Amazon/VB Assets
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Page 105

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	**Art Unit**
	MILA AIRAPETIAN	3625

INTERNATIONAL CLASSIFICATION				
CLAIMED				
G06Q	/	30	/	00
NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
705	26.1

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	40	
/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625	23 March 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

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Page 106

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	16/553,553	KENNEWICK, Michael R.
	Examiner	**Art Unit**
	MILA AIRAPETIAN	3625

☑ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	40	
/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625	23 March 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

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Page 107

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CONFIRMATION NO. 1643

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
16/553,553	08/28/2019	705	3625	62KC-301480

APPLICANTS
VB Assets, LLC, Bellevue, WA;

INVENTORS
Michael R. KENNEWICK Sr., Bellevue, WA;

**** CONTINUING DATA ***************************
This application is a CON of 15/484,930 04/11/2017 PAT 10430863
which is a CON of 14/855,334 09/15/2015 PAT 9626703
which claims benefit of 62/051,273 09/16/2014

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****
09/09/2019

Foreign Priority claimed ❑ Yes ☑ No 35 USC 119(a-d) conditions met ❑ Yes ☑ No Verified and Acknowledged /MILA AIRAPETIAN/ Examiner's Signature	❑ Met after Allowance MA Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		WA	6	38	4

ADDRESS

Sheppard Mullin Richter & Hampton LLP
650 Town Center Drive, 10th Floor
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UNITED STATES

TITLE

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PTO/SB/08a (02-18)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	16553553
Filing Date	2019-08-28
First Named Inventor	Michael R. KENNEWICK, Sr.
Art Unit	3625
Examiner Name	Mila Airapetian
Attorney Docket Number	62KC-301480

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
/M.A/	1	5729659		1998-03-17	POTTER JERRY L	
/M.A/	2	6173250		2001-01-09	JONG KENNETH	
/M.A/	3	6526335		2003-02-25	TREYZ G VICTOR	
/M.A/	4	6757362		2004-06-29	COOPER ROBERT S	
/M.A/	5	6839896		2005-01-04	COFFMAN DANIEL M	
/M.A/	6	7376586		2008-05-20	PARTOVI HADI	
/M.A/	7	7774333		2010-08-10	COLLEDGE MATTHEW	
/M.A/	8	9626703		2017-04-18	MICHAEL R. KENNEWICK, SR.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	3625
	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
/M.A/	1	20030182123		2003-09-25	MITSUYOSHI SHUNJI	

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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
/M.A/	1	2002297626	JP		2002-10-11	JUST SYST CORP		X

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/M.A/	1	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01346, Decision Granting Institution of Inter Partes Review of U.S. Patent No. 9,015,049 B2, entered February 4, 2021, 24 pages.	
/M.A/	2	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01367, Decision Granting Institution of Inter Partes Review of U.S. Patent No. 8,073,681 B2, entered March 11, 2021, 22 pages.	
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/M.A/	4	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01377, Decision Denying Institution of Inter Partes Review of U.S. Patent No. 8,886,536 B2, entered February 4, 2021, 29 pages.	

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	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	3625
	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

/M.A/	5	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01380, Decision Denying Institution of Inter Partes Review of U.S. Patent No. 9,626,703 B2, entered February 4, 2021, 28 pages.
/M.A/	6	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01381, Decision Denying Institution of Inter Partes Review of U.S. Patent No. 9,626,703 B2, entered February 4, 2021, 29 pages.
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/M.A/	8	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01390, Decision Denying Institution of Inter Partes Review of U.S. Patent No. 7,818,176, entered March 11, 2021, 27 pages.
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/M.A/	12	LUCENTE, Mark, "Conversational Interfaces for E-Commerce Applications", Communications of the ACM, Volume 43, No. 9, September 2000, pages 59-61.
/M.A/	13	SENEFF, Stephanie, et al., "Hypothesis Selection and Resolution in the Mercury Flight Reservation System", Spoken Language Systems Group, MIT, 2001, 8 pages.

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EXAMINER SIGNATURE

Examiner Signature	/MILA AIRAPETIAN/	Date Considered	03/23/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	Art Unit	3625
	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	3625
	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Timothy P. Cremen/	Date (YYYY-MM-DD)	2021-03-16
Name/Print	Timothy P. Cremen	Registration Number	50,855

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9	("20030182123" | "5729659" | "6173250" | "6526335" | "6757362" | "6839896" | "7376586" | "7774333" | "9626703").PN.	US-PGPUB; USPAT	OR	ON	2021/03/23 19:42
S2	46	((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer))	US-PGPUB; USPAT	OR	ON	2015/11/29 13:59
S3	34	((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer)) and (confirm$7 approv$3)	US-PGPUB; USPAT	OR	ON	2015/11/29 14:05
S4	26	((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer)) and (confirm$7 approv$3) and (ship$4 deliver$3) and (payment)	US-PGPUB; USPAT	OR	ON	2015/11/29 14:05
S19	23	("20020120674" | "20060122976" | "20070282703" | "20090006336" | "20090012418" | "20090287680" | "20090304161" | "20100061534" | "20100203770" | "20110106527" | "20110246330" | "20120203770" | "20120235865" | "5897622" | "6345239" | "6771766" | "6928417" | "7454368" | "7672931" | "7780081" | "7801570" | "8099289" | "8353452").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/11/29 15:36
S20	332	(G06Q30/06 G06Q30/0617 G06F17/2785 G06F17/3064).cpc. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2015/11/29 20:02
S21	159	(707/713 704/10 379/88.01 707/999 705/26.1).ccls. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2015/11/29 20:04
S22	1	"8849791" .pn.	US-PGPUB; USPAT	OR	ON	2015/11/29 20:09
S23	23	("20020120674" | "20060122976" | "20070282703" | "20090006336" | "20090012418" | "20090287680" | "20090304161" | "20100061534" |	US-PGPUB; USPAT; USOCR	OR	ON	2015/11/29 20:10

		"20100203770" | "20110106527" | "20110246330" | "20120203770" | "20120235865" | "5897622" | "6345239" | "6771766" | "6928417" | "7454368" | "7672931" | "7780081" | "7801570" | "8099289" | "8353452").PN.				
S24	0	("8849791").URPN.	USPAT	OR	ON	2015/11/29 20:10
S25	1	"7454368" .pn.	US-PGPUB; USPAT	OR	ON	2015/11/29 20:10
S26	9	("20040264663" | "20040267549" | "5974406" | "6687341" | "6714778" | "6778991" | "6816578" | "6865261" | "6891932").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/11/29 20:10
S27	2	("7454368").URPN.	USPAT	OR	ON	2015/11/29 20:10
S28	1	"7672931" .pn.	US-PGPUB; USPAT	OR	ON	2015/11/29 20:11
S29	18	("20020116377" | "20030037043" | "20030061054" | "20040162674" | "20050143999" | "20050171936" | "20050283369" | "20060116876" | "20060116987" | "20060282408" | "20060287985" | "20080222127" | "5991739" | "6615172" | "6650997" | "6999932" | "7027987" | "7228340").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/11/29 20:11
S30	28	("7672931").URPN.	USPAT	OR	ON	2015/11/29 20:11
S31	133	(((voice speech) near19 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer))	US-PGPUB; USPAT	OR	ON	2015/11/29 20:11
S32	132	S31 AND ((G06Q30/016 OR G06Q30/06 OR G06Q30/0601 OR G06Q30/02 OR G06Q20/10 OR G06Q20/102 OR G06Q30/0633 OR G06Q40/12 OR G06Q20/20 OR G06Q20/40 OR G06Q10/06 OR G06Q10/087 OR G06Q10/10 OR G06Q20/04 OR G06Q20/32 OR G06Q20/12 OR G06Q20/204 OR G06Q30/0207 OR G06Q30/0613 OR G06Q40/025 OR G06Q40/123 OR G06Q50/01 OR G06Q10/063112 OR G06Q20/02 OR G06Q20/0855 OR G06Q20/207 OR G06Q20/3223 OR G06Q20/3674 OR G06Q20/383 OR G06Q20/387 OR G06Q20/401 OR G06Q20/4016 OR	US-PGPUB; USPAT	OR	ON	2015/11/29 20:12

		G06Q20/403 OR G06Q30/01 OR G06Q30/012 OR G06Q30/0251 OR G06Q30/0639 OR G06Q40/00 OR G06Q40/02 OR G06Q40/04 OR G06Q50/188 OR G06Q10/02 OR G06Q20/382 OR G06Q20/3821 OR G06Q20/3823 OR G06Q20/385 OR G06Q20/40145 OR G06Q20/405 OR G06Q20/425 OR G06Q30/00 OR G06Q30/0222 OR G06Q30/0617 OR G06Q30/0635 OR G06Q30/08 OR G06Q10/06312 OR G06Q10/08 OR G06Q10/0837 OR G06Q10/101 OR G06Q10/20 OR G06Q20/00 OR G06Q20/322 OR G06Q20/3274 OR G06Q20/3276 OR G06Q20/363 OR G06Q20/389 OR G06Q30/0212 OR G06Q30/0215 OR G06Q30/0225 OR G06Q30/0226 OR G06Q30/0238 OR G06Q30/0241 OR G06Q30/0242 OR G06Q30/0269 OR G06Q30/0271 OR G06Q30/0274 OR G06Q30/0277 OR G06Q30/0283 OR G06Q30/04 OR G06Q30/0609 OR G06Q30/0611 OR G06Q30/0623 OR G06Q30/0625 OR G06Q30/0631 OR G06Q30/0637 OR G06Q40/125 OR G06Q40/128 OR H04M3/523 OR H04M3/5166 OR H04M2203/252 OR H04M3/493 OR H04M3/5233 OR H04M3/4936 OR H04M3/5183 OR H04M3/5191 OR H04M15/00 OR H04M2201/38 OR H04M2201/40 OR H04M2201/42 OR H04M2201/54 OR H04M2203/1058 OR H04M2203/2038 OR H04M2203/408 OR H04M3/51 OR H04M3/5141 OR H04M7/0066 OR H04M7/0075 OR H04M15/68 OR H04M15/8038 OR H04M15/854 OR H04M17/00 OR H04M1/72522 OR H04M2201/60 OR H04M2215/0196 OR H04M2215/32 OR H04M2215/34 OR H04M2215/7442 OR H04M2215/8166 OR H04M3/5108 OR H04L67/10 OR H04L67/306 OR H04L51/00 OR H04L51/32 OR H04L63/08 OR H04L67/12 OR H04L12/1813 OR H04L63/083 OR H04L63/0876 OR H04L63/104 OR H04L65/403 OR H04L2209/56 OR H04L41/22 OR H04L63/0815 OR H04L63/0861 OR H04L67/02 OR H04L67/16 OR H04L67/303 OR H04L9/3226 OR H04L12/283 OR H04L12/2834 OR H04L12/2898 OR H04L12/586 OR H04L12/588 OR H04L43/0817 OR H04L63/18 OR				

		H04L65/1073 OR H04L65/4084 OR H04L67/20 OR H04L67/22 OR H04L67/2838 OR G06F17/30256 OR G06F17/30259 OR G06F17/30646 OR G06F2221/2119 OR G06F2221/2129 OR G06F17/2785 OR G06F17/30061 OR G06F17/30522 OR G06F17/3064 OR G06F17/30864 OR G06F21/32 OR G06F3/0482 OR G06F3/0484 OR G06F3/04842 OR G06F3/0485 OR G06F17/243 OR G06F17/30218 OR G06F17/30867 OR G06F17/30876 OR G06F17/30905 OR G06F17/30997 OR G06F8/51 OR G06F8/76 OR G08B13/19641 OR G08B13/19656 OR G08B13/19663 OR G08B13/19673 OR G08B13/1968 OR G08B13/196 OR H04W4/00 OR H04W4/206 OR H04W4/12 OR H04W4/14 OR H04W4/16 OR H04W8/265 OR H04W12/06 OR H04W12/12 OR H04W4/02 OR G06K9/00624 OR G06K2017/0067 OR G06K2019/06234 OR G06K9/627 OR A63F2300/205 OR G01C21/206 OR G01S19/46 OR G01S5/0036 OR G01S5/0054 OR G01S5/0081 OR G01S5/021 OR G01S5/0215 OR G01S5/0221 OR G01S5/14 OR G10L15/22 OR G10L13/00 OR G10L15/26 OR G10L15/30 OR H04N21/25841 OR H04N21/2662 OR H04N21/2668 OR H04N21/41422 OR H04N21/44222 OR H04N21/4788 OR H04N21/615 OR H04N21/632 OR H04N21/8126 OR H04N7/147).CPC.)				
S33	28	(utter$6 same (natural adj language) same ((determin$4 pars$3) near9 context)) and ((purchas$3 buy$3 transact$3) near19 (product merchandise good item))	US-PGPUB; USPAT	OR	ON	2016/05/10 12:25
S34	1	"20110112827".pn.	US-PGPUB; USPAT	OR	ON	2016/05/10 12:35
S35	46	(natural near4 language) same (deliver$3 near19 (address name)) same (product merchandise good item)	US-PGPUB; USPAT	OR	ON	2016/09/17 19:48
S36	46	((natural near4 language) same (deliver$3 near19 (address name)) same (product merchandise good item)) and (pars$3 recogni$7)	US-PGPUB; USPAT	OR	ON	2016/09/17 19:50
S37	27	((natural near4 language) same (deliver$3 near19 (address name)) same (product merchandise good item)) and ((word phrase) same (pars$3 recogni$7))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:50

S38	1	"20150032602".pn. and ((natural near9 language) same (pars$3 extract$3))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:54
S39	83	((natural near4 language) same (word phrase) same (pars$3 recogni$7)) and ((deliver$3 near19 (address name)) same (product merchandise good item))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:59
S40	43	((natural near4 language) same (word phrase) same (pars$3 recogni$7)) and ((deliver$3 near19 (address name)) same (purchas$3 near19 (product merchandise good item)))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:59
S41	197	S40 not3	US-PGPUB; USPAT	OR	ON	2016/09/17 20:00
S42	41	S40 not S37	US-PGPUB; USPAT	OR	ON	2016/09/17 20:00
S43	2	("5742845" | "6012098").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/09/17 20:06
S44	348	("6226675").URPN.	USPAT	OR	ON	2016/09/17 20:07
S45	1	"20020161647".pn.	US-PGPUB; USPAT	OR	ON	2016/09/17 20:08
S46	252	(access$3 near9 (address near2 book)) same (name address) same (deliver$3 ship$7)	US-PGPUB; USPAT	OR	ON	2016/09/17 20:39
S47	44	((access$3 near9 (address near2 book)) same (name same address) same (deliver$3 ship$7))	US-PGPUB; USPAT	OR	ON	2016/09/17 20:40
S48	28	((access$3 near9 (address near2 book)) same (name same address) same (deliver$3 ship$7)) and (voice language)	US-PGPUB; USPAT	OR	ON	2016/09/17 20:40
S49	18	((access$3 near9 (address near2 book)) same (name same address) same (deliver$3 ship$7)) and ((voice language) same (recogni$6 interpret$3 pars$3))	US-PGPUB; USPAT	OR	ON	2016/09/17 20:40
S50	1	"20090259561".pn.	US-PGPUB; USPAT	OR	ON	2016/09/17 20:44
S51	0	"20090259561".pn. and (natural near3 language)	US-PGPUB; USPAT	OR	ON	2016/09/17 20:48

S52	26	S48 AND ((H04L67/26 OR H04L12/581 OR H04L12/587 OR H04L2463/101 OR H04L29/06027 OR H04L51/04 OR H04L51/10 OR H04L51/24 OR H04L51/30 OR H04L51/32 OR H04L51/34 OR H04L63/0236 OR H04L63/04 OR H04L63/0428 OR H04L63/0435 OR H04L63/0823 OR H04L63/083 OR H04L63/0861 OR H04L63/10 OR H04L65/1006 OR H04L65/103 OR H04L65/104 OR H04L65/1069 OR H04L65/4007 OR H04L67/02 OR H04L67/06 OR H04L67/14 OR H04L67/306 OR H04L67/32 OR H04L67/42 OR G06Q30/0261 OR G06Q30/0633 OR G06Q30/0635 OR G06Q30/0641 OR G06Q20/28 OR G06Q20/36 OR G06Q30/0621 OR G06Q20/105 OR G06Q20/227 OR G06Q20/363 OR G06Q20/405 OR G06Q30/0601 OR G06Q10/08 OR G06Q10/083 OR G06Q10/10 OR G06Q10/107 OR G06Q20/12 OR G06Q20/20 OR G06Q20/3226 OR G06Q20/3227 OR G06Q20/325 OR G06Q20/3276 OR G06Q20/3278 OR G06Q20/351 OR G06Q20/3552 OR G06Q20/425 OR G06Q30/02 OR G06Q30/0226 OR G06Q30/0251 OR G06Q30/0255 OR G06Q30/0256 OR G06Q30/0257 OR G06Q30/0277 OR G06Q30/06 OR G06Q30/0631 OR G06Q40/00 OR G06Q40/02 OR H04W4/001 OR H04W4/008 OR H04W4/02 OR H04W4/023 OR H04W4/026 OR H04W4/14 OR H04W4/206 OR G06F17/30244 OR G06F17/30575 OR G06F17/3089 OR G06F17/2235 OR G06F21/606 OR G06F2221/2107 OR G06K9/00087 OR G06K9/00221 OR G06K9/00228 OR G06K9/00617 OR G06K9/00926 OR H04B1/406).CPC.)	US-PGPUB; USPAT	OR	ON	2016/09/17 21:01
S53	2	704/10.ccls. and (((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer)))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:53
S54	2	704/10.ccls. and (((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:53
S55	502	704/10.ccls. and (speech near9 recognition)	US-PGPUB; USPAT	OR	ON	2017/01/13 21:53

S56	57	704/10.ccls. and ((speech near9 recognition) and (buy$3 purchas$3))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54
S57	162	(707/713 704/10 379/88.01 707/999 705/26.1).ccls. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54
S58	158	(((voice speech) near19 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54
S59	156	S58 AND ((G06Q30/016 OR G06Q30/06 OR G06Q30/0601 OR G06Q30/02 OR G06Q20/10 OR G06Q20/102 OR G06Q30/0633 OR G06Q40/12 OR G06Q20/20 OR G06Q20/40 OR G06Q10/06 OR G06Q10/087 OR G06Q10/10 OR G06Q20/04 OR G06Q20/32 OR G06Q20/12 OR G06Q20/204 OR G06Q30/0207 OR G06Q30/0613 OR G06Q40/025 OR G06Q40/123 OR G06Q50/01 OR G06Q10/063112 OR G06Q20/02 OR G06Q20/0855 OR G06Q20/207 OR G06Q20/3223 OR G06Q20/3674 OR G06Q20/383 OR G06Q20/387 OR G06Q20/401 OR G06Q20/4016 OR G06Q20/403 OR G06Q30/01 OR G06Q30/012 OR G06Q30/0251 OR G06Q30/0639 OR G06Q40/00 OR G06Q40/02 OR G06Q40/04 OR G06Q50/188 OR G06Q10/02 OR G06Q20/382 OR G06Q20/3821 OR G06Q20/3823 OR G06Q20/385 OR G06Q20/40145 OR G06Q20/405 OR G06Q20/425 OR G06Q30/00 OR G06Q30/0222 OR G06Q30/0617 OR G06Q30/0635 OR G06Q30/08 OR G06Q10/06312 OR G06Q10/08 OR G06Q10/0837 OR G06Q10/101 OR G06Q10/20 OR G06Q20/00 OR G06Q20/322 OR G06Q20/3274 OR G06Q20/3276 OR G06Q20/363 OR G06Q20/389 OR G06Q30/0212 OR G06Q30/0215 OR G06Q30/0225 OR G06Q30/0226 OR G06Q30/0238 OR G06Q30/0241 OR G06Q30/0242 OR G06Q30/0269 OR G06Q30/0271 OR G06Q30/0274 OR G06Q30/0277 OR G06Q30/0283 OR G06Q30/04 OR G06Q30/0609 OR G06Q30/0611 OR G06Q30/0623 OR G06Q30/0625 OR G06Q30/0631 OR G06Q30/0637 OR G06Q40/125 OR G06Q40/128 OR	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54

		H04M3/523 OR H04M3/5166 OR H04M2203/252 OR H04M3/493 OR H04M3/5233 OR H04M3/4936 OR H04M3/5183 OR H04M3/5191 OR H04M15/00 OR H04M2201/38 OR H04M2201/40 OR H04M2201/42 OR H04M2201/54 OR H04M2203/1058 OR H04M2203/2038 OR H04M2203/408 OR H04M3/51 OR H04M3/5141 OR H04M7/0066 OR H04M7/0075 OR H04M15/68 OR H04M15/8038 OR H04M15/854 OR H04M17/00 OR H04M1/72522 OR H04M2201/60 OR H04M2215/0196 OR H04M2215/32 OR H04M2215/34 OR H04M2215/7442 OR H04M2215/8166 OR H04M3/5108 OR H04L67/10 OR H04L67/306 OR H04L51/00 OR H04L51/32 OR H04L63/08 OR H04L67/12 OR H04L12/1813 OR H04L63/083 OR H04L63/0876 OR H04L63/104 OR H04L65/403 OR H04L2209/56 OR H04L41/22 OR H04L63/0815 OR H04L63/0861 OR H04L67/02 OR H04L67/16 OR H04L67/303 OR H04L9/3226 OR H04L12/283 OR H04L12/2834 OR H04L12/2898 OR H04L12/586 OR H04L12/588 OR H04L43/0817 OR H04L63/18 OR H04L65/1073 OR H04L65/4084 OR H04L67/20 OR H04L67/22 OR H04L67/2838 OR G06F17/30256 OR G06F17/30259 OR G06F17/30646 OR G06F2221/2119 OR G06F2221/2129 OR G06F17/2785 OR G06F17/30061 OR G06F17/30522 OR G06F17/3064 OR G06F17/30864 OR G06F21/32 OR G06F3/0482 OR G06F3/0484 OR G06F3/04842 OR G06F3/0485 OR G06F17/243 OR G06F17/30218 OR G06F17/30867 OR G06F17/30876 OR G06F17/30905 OR G06F17/30997 OR G06F8/51 OR G06F8/76 OR G08B13/19641 OR G08B13/19656 OR G08B13/19663 OR G08B13/19673 OR G08B13/1968 OR G08B13/196 OR H04W4/00 OR H04W4/206 OR H04W4/12 OR H04W4/14 OR H04W4/16 OR H04W8/265 OR H04W12/06 OR H04W12/12 OR H04W4/02 OR G06K9/00624 OR G06K2017/0067 OR G06K2019/06234 OR G06K9/627 OR A63F2300/205 OR G01C21/206 OR G01S19/46 OR G01S5/0036 OR G01S5/0054 OR G01S5/0081 OR G01S5/021 OR G01S5/0215 OR G01S5/0221 OR G01S5/14 OR G10L15/22 OR G10L13/00 OR G10L15/26 OR G10L15/30 OR				

		H04N21/25841 OR H04N21/2662 OR H04N21/2668 OR H04N21/41422 OR H04N21/44222 OR H04N21/4788 OR H04N21/615 OR H04N21/632 OR H04N21/8126 OR H04N7/147).CPC.)				
S60	23	("20020120674" | "20060122976" | "20070282703" | "20090006336" | "20090012418" | "20090287680" | "20090304161" | "20100061534" | "20100203770" | "20110106527" | "20110246330" | "20120203770" | "20120235865" | "5897622" | "6345239" | "6771766" | "6928417" | "7454368" | "7672931" | "7780081" | "7801570" | "8099289" | "8353452").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2017/01/13 21:55
S61	2	("8849791").URPN.	USPAT	OR	ON	2017/01/13 21:55
S62	167	("0789106" | "1330368" | "1393489" | "1476819" | "20020010627" | "20020032612" | "20020116274" | "20020133425" | "20020143671" | "20030050891" | "20030094494" | "20030126034" | "20030141358" | "20040006514" | "20040054900" | "20040153344" | "20040172260" | "20040195341" | "20050097054" | "20050100144" | "20050137882" | "20060175401" | "20070100761" | "20070185788" | "20080008348" | "20080052184" | "20080059226" | "20080262948" | "20090150170" | "20090281935" | "20100185533" | "20100235290" | "20100257486" | "20100325020" | "20110016008" | "20110029397" | "20110066514" | "4312037" | "4414467" | "4458802" | "4563739" | "4598810" | "4668150" | "4734005" | "4750119" | "4789054" | "4792018" | "4803348" | "4812629" | "4814592" | "4839505" | "4858743" | "4866661" | "4871054" | "4884212" | "4893705" | "4896024" | "4903815" | "4967906" | "4984155" | "4997076" | "5007518" | "5020958" | "5028766" | "5042686" | "5128520" | "5128527" | "5133441" | "5139384" | "5143193" | "5159560" | "5216612" | "5231569" | "5256863" | "5257741" | "5273183" | "5311424" | "5367148" | "5372386" | "5375240" | "5414252" | "5416306" | "5478990" | "5520990" | "5521815" |	US-PGPUB; USPAT; USOCR	OR	ON	2017/01/13 21:56

		"5537314" | "5541394" | "5581064" | "5602377" | "5671279" | "5712989" | "5721832" | "5737726" | "5745036" | "5799285" | "5804803" | "5857175" | "5889270" | "5890138" | "5895453" | "5913210" | "5918213" | "5918214" | "5949335" | "5950173" | "5966450" | "5968110" | "5978774" | "5984508" | "6014635" | "6016480" | "6018719" | "6025780" | "6029139").PN. OR ("6029141" | "6039244" | "6049778" | "6055511" | "6064979" | "6085167" | "6085172" | "6105001" | "6115690" | "6119099" | "6119164" | "6125352" | "6131088" | "6134533" | "6148249" | "6154738" | "6219652" | "6222914" | "6269344" | "6317028" | "6463421" | "6536659" | "6542933" | "6550685" | "6554187" | "6606608" | "6697812" | "6746053" | "6757663" | "6834268" | "6933848" | "6947941" | "6965866" | "7000834" | "7117227" | "7118478" | "7143055" | "7162440" | "7376572" | "7379899" | "7415617" | "7455230" | "7580860" | "7693731" | "7729923" | "7797164" | "7840439" | "7850081" | "7890373").PN.				
S63	0	("8126724").URPN.	USPAT	OR	ON	2017/01/13 21:56
S64	1	"20170221134" .pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2018/12/10 10:42
S65	437	(G06Q30/06 G06Q30/0617 G06F17/2785 G06F17/3064).cpc. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2018/12/10 11:49
S66	285	(access$3 near9 (address near2 book)) same (name address) same (deliver$3 ship$7)	US-PGPUB; USPAT	OR	ON	2018/12/10 11:50
S67	20	((natural near9 language) same (speech near9 recogn$7) same (word phrase)) and (select$3 near9 (seller provider vendor vender merchant)) and ((complet$3 near9 purchas$3) same automatically)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:31
S68	30	((speech near9 recogn$7) same (word phrase)) and (select$3 near9 (seller provider vendor vender merchant)) and ((complet$3 near9 purchas$3) same automatically)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:34

S69	17	((speech near9 recogn$7) same (word phrase)) and (select$3 near9 (seller provider vendor vender merchant)) and ((complet$3 near9 purchas$3) same (without near3 input$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:34
S70	8	("20010021905" | "20050060142" | "5860059" | "5982906" | "6377919" | "6823308" | "7146315" | "7729913").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:37
S71	3	("20140136187" | "7502730" | "9318108").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:37
S72	18	("20020178003" | "20020188455" | "20040102977" | "20040204939" | "20040220800" | "20050169441" | "20070060114" | "20070067310" | "20070106499" | "20080126284" | "20080189187" | "20100191856" | "20100312547" | "20140337007" | "6975983" | "7031908" | "7380250" | "7512906").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:38
S73	9	("20080270135" | "20090030686" | "20090055176" | "20090157382" | "20090171912" | "20100023331" | "20100268536" | "20150066479" | "5331554").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:38
S74	25	("20020007267" | "20030069880" | "20040093567" | "20040199389" | "20050222763" | "20050234637" | "20060046740" | "20060253247" | "20070050279" | "20080014908" | "20080065390" | "20080086455" | "20080269958" | "20090197582" | "20120041753" | "20120265528" | "6219645" | "6243679" | "6389398" | "6591185" | "6882970" | "7606712" | "8326599" | "8612205" | "8612206").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:38
S75	200	("20010039492" | "20010041980" | "20010049601" | "20010054087" | "20020010584" | "20020015500" | "20020022927" | "20020022956" | "20020029186" | "20020029261" | "20020032752" | "20020035501" | "20020040297" | "20020049535" | "20020049805" | "20020059068" | "20020065568" | "20020067839" | "20020069059" | "20020069071" | "20020073176" | "20020082911" | "20020087312" | "20020087326" | "20020087525" | "20020107694" | "20020120609" | "20020124050" |	US-PGPUB; USPAT	OR	ON	2019/05/30 17:38

		"20020133354" | "20020133402" |				
		"20020135618" | "20020138248" |				
		"20020143532" | "20020143535" |				
		"20020152260" | "20020161646" |				
		"20020161647" | "20020173333" |				
		"20020173961" | "20020184373" |				
		"20020188602" | "20020198714" |				
		"20030014261" | "20030016835" |				
		"20030046346" | "20030064709" |				
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			EPO; JPO			
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S81	1,158	isaacson.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:48
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S86	450	S79 and (natural near3 language)	US-PGPUB;	OR	ON	2019/05/30 18:01

			USPAT; EPO; JPO			
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S99	236	S98 and ((natural near19 language) same (pars$3 utter$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 13:57
S100	0	S98 and ((natural near19 language) same (pars$3 utter$3)) and (confirm$8 approv$3) and (profile same ship$7 same pay$6)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 13:58
S101	61	S98 and ((natural near19 language) same (interpret$7 pars$3 utter$3)) and (confirm$8 approv$3) and (profile same (ship$7 pay$6))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 13:59
S102	7	S98 and ((natural near19 language) same (interpret$7 pars$3 utter$3)) and (profile same (ship$7 pay$6)) and ((confirm$8 approv$3) same (purchas$3 buy$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:07
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S111	280	("6505155" | "6513006" | "6522746" | "6523061" | "6532444" | "6539348" | "6549629" | "6553372" | "6556970" | "6556973" | "6560576" | "6560590" | "6567778" | "6567797" | "6567805" | "6570555" | "6570964" | "6571279" | "6574597" | "6574624" | "6578022" | "6581103" | "6584439" | "6587858" | "6591239" | "6594257" | "6594367" | "6598018" | "6601026" | "6604075" | "6606598" | "6611692" | "6614773" | "6615172" | "6622119" | "6629066" | "6631346" | "6631351" | "6633846" | "6636790" | "6643620" | "6647363" | "6650747" | "6658388" | "6678680" | "6681206" | "6691151" | "6701294" | "6704396" | "6704576" | "6704708" | "6707421" | "6708150" | "6721001" | "6721633" | "6721706" | "6726636" | "6735592" | "6739556" | "6742021" | "6745161" | "6751591" | "6751612" | "6754485" | "6754627" | "6757544" | "6757718" | "6795808" | "6801604" | "6801893" | "6810375" | "6813341" | "6816830" | "6829603" | "6832230" | "6833848" | "6850603" | "6856990" | "6865481" | "6868380" | "6868385" | "6873837" | "6877001" | "6877134" | "6901366" | "6910003" | "6912498" |	US-PGPUB; USPAT	OR	ON	2020/08/13 14:54

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		"8140327" | "8140335" | "8145489" | "8150694" | "8155962" | "8170867" | "8180037" | "8195468" | "8200485" | "8219399" | "8219599" | "8224652" | "8255224" | "8326627" | "8326634" | "8326637" | "8346563" | "8370147" | "8447607" | "8452598" | "8503995" | "8509403" | "8515765" | "8527274" | "8589161" | "8620659" | "8719005" | "8719009" | "8719026" | "8731929" | "8738380" | "8849652" | "8849670" | "8849696").PN.				
S112	8	("8886536" | "8983839" | "9009046" | "9015049" | "9037455" | "9105266" | "9171541" | "9269097").PN.	US-PGPUB; USPAT	OR	ON	2020/08/13 14:54
S113	805	S105 or S106 or S107 or S108 or S110 or S111 or S112 or S109	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:55
S114	1	S113 and S104	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:55
S115	1	("200902655163" "20090304161").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 15:04
S116	2	("20090265163" "20090304161").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 15:05
S117	1	("20090265163" "20090304161").pn. and (buy$3 purchas$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 15:06
S118	3	("6,859,776" "8,078,502" "20040193420").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/18 15:10
S147	1	"8078502".pn.	US-PGPUB; USPAT;	OR	ON	2020/08/19 11:46

			EPO; JPO			
S148	0	"8078502".pn. and ((seller merchant provider retail$2) same database)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:50
S149	1	"8078502".pn. and ((seller merchant provider retail$2) same (product merchandise good item))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:50
S150	1	("20040193420").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:52
S151	1	("20040193420").pn. and ((seller provider merchant retailer) same database)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:52
S152	0	("20040193420").pn. and ((seller provider merchant retailer) same pric$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:57
S153	1	"8078502".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:09
S154	1	("6,859,776").pn. and database	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:21
S155	7	((predetermin$3 (pre near2 determin$3) pre-determin$3) same ((set list group) near9 (seller merchant provider retail)) same database same price) and ((natural near9 language) same (pars$3 interpret$3 voice utter$5))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:32
S156	12	((profile account) same ((set list group) near9 (seller merchant provider retail)) same database same price) and ((natural near9 language) same (pars$3 interpret$3 voice utter$5))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:49

S157	10	S156 not S155	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:49
S158	13	((profile account) same (seller merchant provider retail) same database same price) and ((natural near9 language) same (pars$3 interpret$3 voice utter$5)) and ((select$3 near19 (seller merchant provider retail)) same (based near9 price))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:57
S159	12	S158 not S157	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:58
S160	0	"7792709".pn. and (select$3 near19 seller)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 13:00
S161	1	"7792709".pn. and (select$3 near19 merchant)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 13:00
S162	1	"7792709".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 13:04
S163	1	"7792709".pn. and (database same stor$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 17:47
S164	0	((prefered near19 (seller merchant provider)) same profile) and (database near29 (seller merchant provider)) and ((select$3 near19 (seller merchant provider)) same (based near9 price))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 17:53
S165	272	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 (seller merchant provider)) and ((select$3 near19 (seller merchant provider)) same (based near9 price))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 17:53
S166	6	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 (seller merchant provider)) and ((select$3 near19	US-PGPUB; USPAT;	OR	ON	2020/08/19 17:54

		(seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	EPO; JPO			
S167	0	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 pric$3) and ((select$3 near19 (seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:42
S168	6	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 stor$3) and ((select$3 near19 (seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:42
S169	0	S168 not S166	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:42
S170	5	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 search$3) and ((select$3 near19 (seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:43
S171	5	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 search$3) and ((select$3 near19 (seller merchant provider)) same (low$5 near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:43
S172	0	S171 not S170	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:44
S173	27	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 search$3) and ((select$3 near19 (seller merchant provider)) same price) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:44
S174	22	S173 not S171	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:45

S175	1	"20090171760" .pn. and ((seller provider merchant) same profile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:51
S178	150	((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 pars$3)) and ((prefer$4 near9 (seller merchant provider)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:01
S179	14	((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 pars$3)) and (((prefer$4 near9 (seller merchant provider))) same select$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:01
S181	6,407	((select$3 near9 (seller provider merchant)) same pric$3) and ((set list) near9 (seller provider merchant)) and ((seller provider merchant) same (profile account))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:06
S182	22	((select$3 near9 (seller provider merchant)) same pric$3) and ((set list) near9 (seller provider merchant)) and ((seller provider merchant) same (profile account)) and ((natural near9 language) same voice same input$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:07
S183	49	((select$3 near9 (seller provider merchant)) same (low$5 near3 pric$3)) and ((set list) near9 (seller provider merchant)) and ((seller provider merchant) same (profile account)) and (natural near9 language)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:10
S184	44	S183 not S182	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:11
S185	1	"20140136259" .pn. and (consumer same provider same profile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:13
S186	1	"20140136259" .pn. and (consumer same (merchant provider) same profile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:14

S187	1	"20140136259" .pn. and (select$3 near9 (merchant provider))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:17
S188	7	(intended near9 recipient) same (address near9 book) same shipping same (access$3 obtain$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:27
S189	19	((gift present) same (intended near9 recipient)) and ((address near9 book) same shipping same (access$3 obtain$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:29
S190	36	(address near19 (intended near9 recipient)) and ((address near9 book) same shipping same (access$3 obtain$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:35
S191	17	S190 not S189	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:35
S192	0	"20140136259".pn. and (search$3 same (display$3 near9 result))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 21:29
S193	1	"20140136259".pn. and (search$3 near9 result)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 21:29
S194	1	"6859776".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 21:40
S195	157	((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 22:05
S196	142	S195 AND ((G06Q30/02 OR G06Q30/08 OR G06Q30/0247 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0273 OR G06Q30/0275 OR G06Q10/00 OR	US-PGPUB; USPAT;	OR	ON	2020/08/19 22:05

		G06Q30/0267 OR G06Q30/06 OR G06Q30/0631 OR G06Q30/0643 OR G06Q50/01 OR G06Q99/00 OR G06Q30/0255 OR G06Q30/0241 OR G06Q30/0261 OR G06Q30/0201 OR G06Q30/0246 OR G06Q30/0254 OR G06Q30/0256 OR G06Q10/087 OR G06Q30/00 OR G06Q30/0601 OR G06Q40/04 OR G06Q10/101 OR G06Q30/0271 OR G06Q30/0277).CPC.)	EPO; JPO			
S197	1	705/$7.ccls. and (((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 p)ars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 22:06
S198	592	(input$4 same (natural near4 language)) and (((buy$3 purchas$3 deliver$3) near19 (address name)) same (product merchandise good item)) and (pars$3 recogni$7) and (database same (product merchandise good item service))	US-PGPUB; USPAT	OR	ON	2020/12/08 16:42
S199	227	(input$4 same (natural near4 language)) and (((buy$3 purchas$3 deliver$3) near19 (address name)) same (product merchandise good item)) and (pars$3 recogni$7) and (database same (select$3 near19 (product merchandise good item service)))	US-PGPUB; USPAT	OR	ON	2020/12/08 16:43
S200	158	("20010011222" | "4086434" | "4412292" | "4491947" | "4799156" | "4972453" | "4992940" | "5023907" | "5109337" | "5113499" | "5159685" | "5204821" | "5231567" | "5297031" | "5459656" | "5483637" | "5493689" | "5495610" | "5499340" | "5513343" | "5515367" | "5539877" | "5572672" | "5610839" | "5611048" | "5621663" | "5630070" | "5638519" | "5640505" | "5646864" | "5655068" | "5664110" | "5692107" | "5694546" | "5696975" | "5710887" | "5724521" | "5729688" | "5729735" | "5752159" | "5752238" | "5761502" | "5764543" | "5768501" | "5774870" | "5783069" | "5787274" | "5787425" | "5790546" | "5799289" | "5802178" | "5805458" | "5812529" | "5819028" | "5832196" | "5835911" | "5841981" | "5845256" | "5864483" | "5864662" | "5867495" | "5878128" | "5883955" | "5890139" | "5890175" | "5892900" | "5893905" | "5895454" | "5905860" | "5905973" | "5907490" | "5920700" |	US-PGPUB; USPAT; USOCR	OR	ON	2020/12/08 16:59

		"5946662" | "5951644" | "5953707" | "5968189" | "5970475" | "5974391" | "5974395" | "5974403" | "5987423" | "5987430" | "5991735" | "5999525" | "6006016" | "6006196" | "6006251" | "6009274" | "6012051" | "6014644" | "6023586" | "6032125" | "6055514" | "6055573" | "6058103" | "6058426" | "6061660" | "6065017" | "6067525" | "6101460" | "6104868" | "6105069" | "6115690" | "6119101" | "6125389" | "6131112" | "6134615" | "6141777" | "6147975" | "6151582" | "6151643" | "6157915" | "6167378" | "6195697" | "6199204" | "6219700" | "6223055" | "6223343" | "6230199" | "6233449" | "6249773" | "6253339" | "6256676" | "6259679").PN. OR ("6263317" | "6263322" | "6269336" | "6272677" | "6289385" | "6289462" | "6292830" | "6314565" | "6324522" | "6335927" | "6339789" | "6341266" | "6345261" | "6347398" | "6349237" | "6351738" | "6363411" | "6370573" | "6373498" | "6381579" | "6397381" | "6405364" | "6411922" | "6425006" | "6430688" | "6430708" | "6430711" | "6446123" | "6470496" | "6487718" | "6516350" | "6524109" | "6609101" | "6731625").PN.				
S201	420	("8032409").URPN.	USPAT	OR	ON	2020/12/08 17:00
S202	107	("20010033225" | "4654482" | "4775935" | "4841132" | "5029104" | "5264822" | "5288976" | "5307456" | "5319542" | "5333237" | "5355472" | "5398336" | "5448046" | "5524195" | "5528490" | "5532735" | "5572643" | "5583560" | "5592378" | "5594509" | "5612527" | "5635694" | "5640193" | "5715444" | "5721827" | "5724521" | "5737619" | "5737739" | "5740549" | "5742768" | "5761071" | "5804803" | "5841978" | "5854897" | "5864823" | "5869819" | "5890175" | "5897622" | "5902353" | "5903729" | "5905248" | "5905251" | "5913040" | "5913210" | "5918213" | "5918214" | "5930767" | "5933811" | "5933829" | "5937390" | "5937392" | "5938726" | "5940074" | "5940595" | "5946646" | "5948061" | "5950173" | "5957695" | "5959623" | "5960411" | "5963916" | "5964836" | "5966696" |	US-PGPUB; USPAT; USOCR	OR	ON	2020/12/08 17:13

		"5969324" | "5971277" | "5978773" | "5979757" | "5986651" | "5992752" | "5995105" | "5996007" | "5999912" | "5999914" | "6009407" | "6009410" | "6011537" | "6012083" | "6012102" | "6027024" | "6032195" | "6035332" | "6038545" | "6044218" | "6045048" | "6061659" | "6064979" | "6065024" | "6078848" | "6081827" | "6091411" | "6094673" | "6108656" | "6119165" | "6125388" | "6134548" | "6138151" | "6141666" | "6152369" | "6154738" | "6157946" | "6199048" | "6213394" | "6314451" | "6314457" | "6317761" | "6430554" | "6448979").PN.				
S203	93	("6961712").URPN.	USPAT	OR	ON	2020/12/08 17:13
S204	5	("20060026206" | "20080189187" | "20100121637" | "20160189286" | "20160247542").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2020/12/08 17:52
S205	2	("10366442").URPN.	USPAT	OR	ON	2020/12/08 17:52
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	16553553
Filing Date	2019-08-28
First Named Inventor	Michael R. KENNEWICK, Sr.
Art Unit	3625
Examiner Name	Mila Airapetian
Attorney Docket Number	62KC-301480

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	Application Number	16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	3625
	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

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	1	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01346, Decision Granting Institution of Inter Partes Review of U.S. Patent No. 9,015,049 B2, entered February 4, 2021, 24 pages.	
	2	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01367, Decision Granting Institution of Inter Partes Review of U.S. Patent No. 8,073,681 B2, entered March 11, 2021, 22 pages.	
	3	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01374, Decision Denying Institution of Inter Partes Review of U.S. Patent No. 8,886,536 B2, entered February 4, 2021, 37 pages.	
	4	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01377, Decision Denying Institution of Inter Partes Review of U.S. Patent No. 8,886,536 B2, entered February 4, 2021, 29 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	3625
	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

	5	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01380, Decision Denying Institution of Inter Partes Review of U.S. Patent No. 9,626,703 B2, entered February 4, 2021, 28 pages.	
	6	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01381, Decision Denying Institution of Inter Partes Review of U.S. Patent No. 9,626,703 B2, entered February 4, 2021, 29 pages.	
	7	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01388, Decision Denying Institution of Inter Partes Review of U.S. Patent No. 9,269,097 B2, entered February 24, 2021, 25 pages.	
	8	Amazon.com, Inc., Amazon.com LLC, Amazon Web Services, Inc., A2Z Development Center, Inc. d/b/a/ Lab126, Rawles LLC, Amzn Mobile LLC, Amzn Mobile 2 LLC, Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc., and Amazon.com Services LLC (formerly Amazon Digital Services LLC) v. VB Assets, LLC, IPR2020-01390, Decision Denying Institution of Inter Partes Review of U.S. Patent No. 7,818,176, entered March 11, 2021, 27 pages.	
	9	ASTHANA, A., et al., "A Small Domain Communications System for Personalized Shopping Assistance", Proceedings of 1994 International Conference on Personal Wireless Communications, IEEE Press, August 1994, pages 199-203.	
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	12	LUCENTE, Mark, "Conversational Interfaces for E-Commerce Applications", Communications of the ACM, Volume 43, No. 9, September 2000, pages 59-61.	
	13	SENEFF, Stephanie, et al., "Hypothesis Selection and Resolution in the Mercury Flight Reservation System", Spoken Language Systems Group, MIT, 2001, 8 pages.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	3625
	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	16553553
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	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	3625
	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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Signature	/Timothy P. Cremen/	Date (YYYY-MM-DD)	2021-03-16
Name/Print	Timothy P. Cremen	Registration Number	50,855

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(19) Japanese Patent Office (JP)

(12) JAPANESE KOKAI (PUBLISHED UNEXAMINED PATENT APPLICATION) (A)

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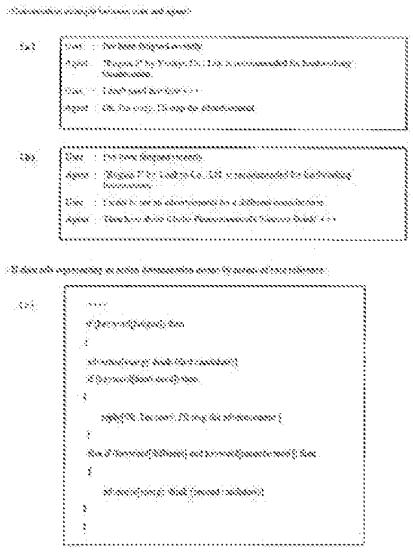
Continued on last page

(54) [Title of Invention] Information Presentation Device, Information Presentation Program, and Information Presentation Method

(57) [Summary]

[Problem] To provide an information presentation device that can present, to a user, an advertisement with a more appropriate content at a more appropriate timing.

[Solution] A dialogue system, which carries out a more detailed analysis process while referencing cases assuming user remarks, presents advertisements and responses to advertisement inquiries. It is thereby made possible to select an advertisement that matches the user's taste and that is presented at an appropriate timing, and to return a simple response to an inquiry about an advertisement. This type of operation is realized by a computer as an operation carried out by an agent having a pseudo personality. As a core engine for such purpose, as many cases as possible that assume user remarks are prepared, and these cases are referenced to determine actions of the agent (returning responses and advertisements to the user). The core engine carries out preprocessing and action determinations.



[SCOPE OF THE PATENT CLAIMS]

[Claim 1] An information presentation device, comprising

a case storage means in which are stored, as cases, a plurality of presumed user remarks and a plurality of inquiry responses or advertisement actions corresponding to the remarks,

a character string information acquisition means for acquiring character string information corresponding to contents of user remarks,

a preprocessing means for analyzing the character string information acquired by the character string information acquisition means,

an action determination means for determining an action with respect to the user in accordance with cases stored in the case storage means based on the result of analysis by the preprocessing means, and

a presentation means for presenting, to the user, the inquiry response or the advertisement determined by the action determination means.

[Claim 2] The information presentation device according to claim 1, wherein the cases stored in the case storage means are defined by if-then rules.

[Claim 3] The information presentation device according to claim 1, wherein the if-then rules use at least one of a keyword, a history of remarks, a progress status of inquiries, and user information representing the user's preference, etc., analyzed by the preprocessing means, as a condition for case matching.

[Claim 4] The information presentation device according to claim 1, wherein the preprocessing means creates clause information composed of independent words and dependent words from the acquired character string information.

[Claim 5] The information presentation device according to claim 4, wherein the preprocessing means appends additional information, such as affirmative form, negative form, present form, future form, and the like, as clause information.

[Claim 6] The information presentation device according to claim 1, wherein

the preprocessing means includes a preference expression extraction means for extracting, from the character string information, preference information representing preference, and

the information presentation device comprises a user information storage means for storing, as user information, the preference information extracted by the preference expression extraction means and the target of the preference information.

[Claim 7] The information presentation device according to claim 1, wherein the case storage means stores the plurality of cases as a case dictionary or a processing program.

[Claim 8] The information presentation device according to claim 1, further comprising

an advertisement acquisition means for acquiring an advertisement presented by an advertisement provider, and

an advertisement information dictionary for storing the advertisement acquired by the advertisement acquisition means, wherein

when an advertisement action is determined by the action determination means, the presentation means reads out an advertisement corresponding to the action from the advertisement information dictionary and presents the advertisement to the user.

[Claim 9] The information presentation device according to claim 1, further comprising

a related word dictionary in which are stored related words consisting of at least one of a hypernym, a hyponym, a related word, and an antonym with respect to a specific word, wherein

the action determination means extracts, from the related word dictionary, a related word with respect to a specific word analyzed by the preprocessing means and determines an action for the user in accordance with cases stored in the case storage means, based on the specific word and/or the extracted related word.

[Claim 10] An information presentation program for causing a computer to function as

a case storage means in which are stored, as cases, a plurality of presumed user remarks and a plurality of inquiry responses or advertisement actions corresponding to the remarks,

a character string information acquisition means for acquiring character string information corresponding to contents of user remarks,

a preprocessing means for analyzing the character string information acquired by the character string information acquisition means,

an action determination means for determining an action with respect to the user in accordance with cases stored in the case storage means based on the result of analysis by the preprocessing means, and

a presentation means that presents, to the user, the inquiry response or the advertisement determined by the action determination means.

[Claim 11] An information presentation method, comprising

a character string information acquisition step for acquiring character string information corresponding to contents of user remarks,
a preprocessing step for analyzing the character string information acquired by the character string information acquisition means,
an action determination step for determining an action with respect to the user in accordance with cases stored in the case storage means, in which are stored, as cases, a plurality of presumed user remarks and a plurality of inquiry responses or advertisement actions corresponding to the remarks, based on the result of analysis in the preprocessing step, and
a presentation step for presenting, to the user, the inquiry response or the advertisement determined in the action determination step.

[DETAILED DESCRIPTION OF THE INVENTION]

[0001]

[Technical Field to which the Invention Belongs] The present invention relates to an information presentation device, an information presentation program, and an information presentation method, and relates to, for example, presenting an advertisement in the form of a dialogue with a user.

[0002]

[Conventional Technology] Various electronic devices, such as personal computers (hereinafter referred to as PCs) and microwave ovens equipped with a microcomputer system, are widely used. Some of these electronic devices are connected to other electronic devices or apparatuses via various networks, such as the Internet and LAN (Local Area Network), and can acquire various information and programs through communication. When using such an electronic device, it is very convenient to be able to obtain an advertisement of interest to a user at a desired time. On the other hand, for an advertisement provider, being able to provide an advertisement only to interested users is extremely preferable since it enhances the effect of advertising.

[0003] Therefore, various methods for providing effective advertisements to users using electronic devices, such as PCs and mobile phones, have been proposed in the prior art. For example, in a technique proposed in Japanese Laid Open Patent Application No. Hei11-3348, keywords are extracted from a remarks log of chat participants in an Internet chat room, and related advertisements are presented to the chat participants.

[0004]

[Problem to be Solved by the Invention] However, the technique proposed by the above-described publication uses only simple keyword matching, so that there is the problem that unrelated advertisements may be matched, or that advertisements, of which the user has a negative opinion, may be presented. For example, let us assume a case in which a remark is made such as "I don't need desktop PCs because they take up space." In this case, because "desktop PC" is matched as a keyword from the content of the remark, there are cases in which "desktop PC" is returned as a hit. In such a case, inappropriate advertisements would be presented because "don't need," which is an important part of the user's remark, is ignored.

[0005] In addition, since only perfunctory advertisements corresponding to the hit keyword can be presented, there is also the problem that advertisements meeting a user's request for more details cannot be served. For example, if "200,000 yen" and "200,000 yen or less" are set as keywords with respect to a remark "I would buy a laptop computer for 200,000 yen or less," a laptop computer that is "180,000" does not return a hit.

[0006] In addition, even if a user makes an inquiry regarding the content of the advertisement, such as "what is the size of the PC's LCD?" it is not possible to respond thereto.

[0007] Furthermore, it is not possible to determine what the topic is related to from keywords spoken by the user so as to present an appropriate advertisement. For example, it is no not possible to present an advertisement about sports in general, when the user is speaking about snowboards.

[0008] Therefore, a first object of the present invention is to provide an information presentation device, an information presentation program, and an information presentation method that can present, to a user, an advertisement with a more appropriate content at a more appropriate timing. In addition, a second object of the present invention is to make it possible to present different advertisements depending on the user's request for more details. Additionally, a third object of the present invention is to make it possible to appropriately respond to the user's inquiry regarding the content of the advertisement. In addition, a fourth object of the present invention is to make it possible to determine what the topic is related to from keywords spoken by the user so as to present an appropriate advertisement.

[0009]

[Means for Solving the Problem] In the invention according to claim 1, the object is achieved by providing an information presentation device with a case storage means in which are stored, as cases, a plurality of presumed user remarks and a plurality of inquiry responses or advertisement actions corresponding to the remarks, a character string information acquisition means for acquiring character string information corresponding to contents of user remarks, a preprocessing means for analyzing the character string information acquired by the character string information acquisition means, an action determination means for determining an action with respect to the user in accordance with cases stored in the case storage means based on the result of analysis by the preprocessing means, and a presentation means for presenting, to the user, the inquiry response or the advertisement determined by the action determination means.

[0010] In the present invention, the case storage means may be stored as a program that executes a case matching process, or as dictionary data for carrying out the case matching process. In addition, the character string information acquisition means may be configured to acquire character string information from text data input from a keyboard, or the like, to acquire character string information stored in a prescribed storage medium by means of a storage medium drive means, to acquire character string information created by an external device via a data communication means, and, further, to acquire voice data that are input via a microphone or a communication means to thereby acquire character string information by executing voice recognition on these voice data. Additionally, when presenting an inquiry response or an advertisement to the user, the presentation means may make a presentation by means of voice, means of displaying character strings on a display means, such as a liquid crystal display device or a CRT, or by any another presentation method. In this case, it is preferable to present using the same format as the format used for the acquisition by the character string information acquisition means. That is, if character string information is acquired by executing voice recognition on voice data, inquiry responses and advertisements are presented by means of voice from a voice output means, such as a speaker, and if character string information is acquired by means of text data, such as in a chat, inquiry responses are presented by means of text data and advertisements are presented by means of text data or image information on the display means. In this case, a separate screen, window, or an area for displaying the advertisement may be provided separately from the screen, window, or area for displaying the character string information input by the

user. When presenting an advertisement with the presentation means via the display means, access information for accessing an advertisement page of an advertisement provider (for example, a URL (uniform resource locators) as link information) may be presented to the user.

[0011] In the present invention, the character string information acquisition means and the presentation means may function as an agent for the user, and the preprocessing means and the action determination means may function as an engine for determining the operation of the agent. The user can thereby acquire information such as advertisements better suited to the user's preference from a dialogue with the agent, and can use the information presentation device as something more familiar. Here, the "user" refers to ordinary people as targets for spreading advertisements. The "agent" acts as an agent that presents advertisements to the user instead of an advertiser, or as a dialogue partner that presents information such as an advertisement that is desired by the user.

[0012] The invention according to claim 2 is the information presentation device according to claim 1, wherein the cases stored in the case storage means are defined by if-then rules. The invention according to claim 3 is the information presentation device according to claim 1, wherein the if-then rules use at least one of a keyword, a history of remarks, a progress status of returned inquiries, and user information representing the user's preference, etc., analyzed by the preprocessing means, as a condition for case matching. The invention according to claim 4 is the information presentation device according to claim 1, wherein the preprocessing means creates clause information composed of independent words and dependent words from the acquired character string information. The invention according to claim 5 is the information presentation device according to claim 1, wherein the preprocessing means adds additional information, such as affirmative form, negative form, present form, future form, and the like, as clause information.

[0013] The invention according to claim 6 is the information presentation device according to claim 1, wherein the preprocessing means includes a preference expression extraction means for extracting, from the character string information, preference information representing preference, and the information presentation device comprises a user information storage means for storing, as user information, the preference information extracted by the preference expression extraction means and the target of the preference information. The preference expression extraction means determines whether information representing preference is included in the character string information, and carries out a processing in accordance with a preference expression rule stating

that, if a user input such as "I don't like XXX," "I like XXX," "XXX is nice," and "XXX is cool" is returned as a hit, then the user input is stored internally. This preference expression rule can be defined as a program. It also may be entered into a preference expression rule dictionary.

[0014] The invention according to claim 7 is the information presentation device according to claim 1, wherein the case storage means stores the plurality of cases as a case dictionary or a processing program. The invention according to claim 8 is the information presentation device according to claim 1, further comprising an advertisement acquisition means for acquiring an advertisement presented by an advertisement provider, and an advertisement information dictionary for storing the advertisement acquired by the advertisement acquisition means, wherein, when an advertisement action is determined by the action determination means, the presentation means reads out an advertisement corresponding to the action from the advertisement information dictionary and presents the advertisement to the user. The invention according to claim 9 is the information presentation device according to claim 1, further comprising a related word dictionary in which are stored related words consisting of at least one of a hypernym, a hyponym, a related word, and an antonym with respect to a specific word, wherein the action determination means extracts, from the related word dictionary, a related word with respect to a specific word analyzed by the preprocessing means and determines an action for the user in accordance with cases stored in the case storage means, based on the specific word and/or the extracted related word.

[0015] In the information presentation program according to claim 10, the object is achieved by causing a computer to function as a case storage means in which are stored, as cases, a plurality of presumed user remarks and a plurality of inquiry responses or advertisement actions corresponding to the remarks, a character string information acquisition means for acquiring character string information corresponding to contents of user remarks, a preprocessing means for analyzing the character string information acquired by the character string information acquisition means, an action determination means for determining an action with respect to the user in accordance with cases stored in the case storage means based on the result of analysis by the preprocessing means, and a presentation means that presents, to the user, the inquiry response or the advertisement determined by the action determination means.

[0016] In the information presentation program method to claim 11, the object is achieved by executing a character string information acquisition step for acquiring character string

information corresponding to contents of user remarks, a preprocessing step for analyzing the character string information acquired by the character string information acquisition means, an action determination step for determining an action with respect to the user in accordance with cases stored in the case storage means, in which are stored, as cases, a plurality of presumed user remarks and a plurality of inquiry responses or advertisement actions corresponding to the remarks, based on the result of analysis in the preprocessing step, and a presentation step for presenting, to the user, the inquiry response or the advertisement determined in the action determination step.

[0017]

[Embodiments of the Invention] Preferred embodiments of the information presentation device, the information presentation program, and the information presentation method according to the present invention will be described in detail below, with reference to Figures 1 to 8.

(1) Outline of the Embodiment

In the present embodiment, instead of presenting advertisements based on simple keyword matching, a dialogue system, which carries out a more detailed analysis process while referencing cases assuming user remarks, presents advertisements and returns advertisement inquiry responses. It is thereby made possible to select an advertisement that matches the user's taste and that is presented at an appropriate timing, and to return a simple answer to an inquiry about an advertisement. In the present embodiment, this type of operation is realized by a computer as an operation carried out by an agent having a pseudo personality. As a core engine for such purpose, as many cases as possible that assume user remarks are prepared, and these cases are referenced to determine actions of the agent (returning inquiry responses and advertisements to the user). The core engine carries out preprocessing and action determinations.

[0018] (2) Details of the Embodiment

Figure 1 is a configuration of one embodiment of the information presentation device according to the present invention, conceptually showing a configuration of an information presentation program and of a computer that has read the program of a storage medium to which said information presentation program is stored according to the present invention. As shown in this conceptual block diagram, the information presentation device (computer) comprises a character string information acquisition means 1, a preprocessing means 2, an action determination means 3, a presentation means 4, an advertisement acquisition means 5, a dictionary storage unit 6, a

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user information storage means 7, a billing means 8, and a billing information presentation means 9. The preprocessing means 2 includes a preference expression extraction 10. The dictionary storage unit 6 includes an advertisement information dictionary 61, a case storage means 62, a related word dictionary 63, and a preference expression rule dictionary 64.

[0019] The character string information acquisition means 1 acquires character string information from information containing user remarks or contents corresponding to remarks. For example, character string information is directly acquired from a keyboard, a mouse, a microphone, or a voice recognition device for voice from this microphone, as an input means, or from an input device that functions as another input means. In addition, the character string information acquisition means 1 may be configured to acquire by wire or wirelessly from an auxiliary storage device or an external device, via a communication means or an interface. Examples of external devices include other personal computers connected by means of LAN and external personal computers connected to the World Wide Web (WWW) of the Internet.

[0020] The preprocessing means 2 divides the character string information acquired by the character string information acquisition means 1 into clauses composed of independent words and dependent words, to obtain clause information. The preprocessing means 2 appends, as clause information, additional information such as affirmative form, negative form, present form, and future form, to each of the divided clauses. In addition, the preprocessing means 2 includes the preference expression extraction means 10. This preference expression extraction means 10 is configured to extract, from the acquired character string information, preference information representing preference.

[0021] The action determination means 3 is configured to determine an action to be carried out by the agent, while referring to the case storage means 62 and the related word dictionary 63 prepared in advance, based on the clause information obtained by the preprocessing means 2. Examples of the agent's actions determined by the action determination means 3 include appropriately responding to the user's inquiry, returning an inquiry to the user, and determining the advertisement to be presented. As described further below, the case storage means 62 stores if-then format rules (cases) that assume user remarks, such as "if the user remarks 'I'm tired,' then present a first candidate energy drink." For example, if the keyword "tired" is returned as a hit from the clause information, the action determination means 3 is configured to determine the

action "present a first candidate energy drink" from among the cases stored in the case storage means 62.

[0022] In addition, the action determination means 3 uses the related word dictionary 63 and carries out matching that takes into consideration related words such as hypernyms, hyponyms, related words, antonyms, and the like. As a result, for example, when the user is talking about "snowboard," it becomes possible to determine that the topic includes "sports," which is a hypernym, and to present a sports-related advertisement.

[0023] Additionally, the action determination means 3 is configured to count the appearance frequency of independent words (keywords) and preference expressions included in the clause information obtained by the preprocessing means 2 (appearance frequency counting means). Then, the user's taste, hobbies, preferences, and the like are determined from this appearance frequency, and are used for presenting advertisements. For example, when the information presentation device according to the present embodiment is applied to a server for chat rooms, "keywords frequently appearing in each chat room" are counted as a remark history, what type of hobbies and preferences are shared by the most people in each chat room is automatically determined, and advertisements best matching the hobbies and preferences are presented. For example, if many people talk about sports, sports-related advertisements can be fed into the chat room.

[0024] Additionally, the action determination means 3 is configured to store, as user information, the preference information present in the character string information extracted by the preprocessing means 2 in the user information storage means 7, together with the target of the preference information (preference target). The storage of this preference information is extracted in accordance with a rule stored in the preference expression rule dictionary 64. The user information stored in the user information storage means 7 is provided to the advertisement provider as necessary, and is used for analyzing the users' preferences, and the like.

[0025] The presentation means 4 presents, to the user, the action determined by the action determination means 3 as the agent's action. If the determined action is responding to an inquiry for determining an advertisement based on a case, the presentation means 4 presents, to the user, a response sentence, a response voice, an inquiry response sentence, or an inquiry response voice that is defined as a case. On the other hand, if the determined action is an advertisement, the presentation means 4 reads an advertisement corresponding to the determined action from the

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advertisement information dictionary 61 and presents the advertisement to the user. The presentation means 4 is configured to be capable of clearly indicating, when necessary, that an advertisement is in progress. This clear indication can be stopped based on a user's process, or this function can be omitted from the beginning. An example of an explicit advertisement function is adding the phrase "advertisement in progress" to the content of the agent's remark. In addition, it can be clearly indicated that an advertisement is in progress by displaying the advertisement content in an advertisement signboard that is held by a character on the screen of an output device, such as a liquid crystal display device. By clearly indicating in this manner that an advertisement is in progress, the user can be aware that it is an advertisement, so that when an advertisement is incorporated in a dialogue, it can be prevented from becoming subconsciously imprinted without the user being aware.

[0026] The advertisement acquisition means 5 is configured to acquire advertisement information provided by the advertisement provider. Examples of advertisement information acquired by the advertisement acquisition means 5 include active advertisement information, response advertisement information, and priority ranking information. The active advertisement information is information for the system to actively present advertisements to the user, composed of advertising companies, products to be advertised, and action contents, such as text or voice, for advertising the products to be advertised. The response advertisement information is information for advertising in accordance with the user's remarks and inquiries, and is composed of action contents, such as text or voice, that respond to the user's remarks and inquiries, such as the price, efficacy, and release date of said product. The priority ranking information is information used for determining which advertisement to prioritize when there are competing advertisements, and is composed of registration fees, and the like. The main method by which the advertisement acquisition means 5 acquires the advertisement information is by acquiring advertisement information transmitted from the advertisement provider via a communication control means. Various types of storage media, such as floppy disks or CD-ROMs storing advertisement information may be acquired, and the advertisement information may be acquired using the corresponding storage medium drive device. The advertisement information acquired by the advertisement acquisition means 5 is configured to be stored in the advertisement information dictionary 61.

[0027] The billing means 8 calculates billing information for the advertisement provider. In a billing system, for example, a registration fee, an individual advertisement fee, a user information feedback fee, a detailed information presentation fee, a link fee, etc., are determined, and the billing means 8 calculates each of these fees in accordance with an agreement concluded with the advertisement provider at regular intervals. When an advertisement provider participates in the advertisement presentation function according to the present embodiment, a registration fee is collected. When a plurality of advertisement providers are in competition, the frequency at which the advertisement is presented to the user is increased as the registration fee is increased. The higher the registration fee, the higher the priority ranking stored in the advertisement information dictionary 61 is set. In addition, an individual advertisement fee is collected from the corresponding advertiser in accordance with the number of times that the advertisement is presented to the user. The user's preference information and personal information obtained during the presentation of the advertisement are configured to be capable of being fed back to the advertisement provider side via the Internet. A user information feedback fee is collected from the advertisement provider in accordance with the amount of said information. Examples of information to be fed back, include "I like laptop computers," "200,000 yen or less," etc., in the case of user preferences, and "age, job, hobby, likes, dislikes, etc." in the case of the user's personal information. When detailed information that is requested by the user is presented, a corresponding detailed information presentation fee is added. In addition, a mechanism for presenting a link (URL) to an advertisement to the users and counting the number of times that the users click on the link is provided. A link fee is charged in accordance with the number of times that the link is clicked. Each of the foregoing fees and billing methods are merely examples, and billing may be carried out by various other methods.

[0028] The total amount to be charged calculated by the billing means 8 is presented, as billing information, to the advertisement provider by the billing information presentation means 9. A specific example of the presentation method is transmitting it as a billing mail to a terminal device registered by the advertisement provider, but various other methods may be used as well.

[0029] Figure 2 shows a specific system configuration of the information presentation device configured in this manner. Figure 2 mainly shows a configuration when the owner of the information presentation device and the user are the same. As shown in Figure 2, the information presentation device is configured by a computer, including personal computers, word processors,

or the like. As shown in Figure 2, the information presentation device has a control unit 11 for controlling the entire system. To this control unit 11 are connected, as input devices, a keyboard 12, a mouse 13, the display device 14, a printing device 15, a storage device 16, a storage medium drive device 17, a communication control device 18, an input/output I/F 19, a character recognition device 20, and a voice recognition device 21, via bus lines of a data bus, or the like.

[0030] The control unit 11 includes a CPU 111, a ROM 112, and a RAM 113. The CPU 111 controls various devices and performs calculations in accordance with a program. The ROM 112 is a read-only memory in which are stored, in advance, programs, and the like, that are executed when the computer starts up. The RAM 113 is used as a working memory in which are stored programs and data used by the CPU to carry out various controls and calculations, and it is possible to secure therein various areas for carrying out various processes, such as the character string information acquisition process, the preprocessing, the action determination process, the presentation process, the billing process, the billing information presentation process, and the advertisement acquisition process according to the present embodiment.

[0031] The keyboard 12 constitutes the input means, and is used by the user to input character string information to be the content of remarks, and to select the character string information of the content of remarks that are stored in advance in a storage medium, such as a floppy (registered trademark) disk or a hard disk. Various keys, such as kana keys for inputting kana characters, numeric keys, as well as function keys, cursor keys, etc., for executing various functions, are arranged on the keyboard 12. The mouse 13 is a pointing device constituting the input means, in the same manner as the keyboard, and is used to click on keys, icons, etc., displayed on the display device 14 to thereby select the character string information of the content of remarks, select link information of the advertisement presented by the agent, or to select and provide instructions concerning a specific process. For example, a CRT, a liquid crystal display, or the like is used as the display device 14. This display device 14 functions as the presentation means 4, and a screen thereof is configured to display the content of user remarks, responses from the agent (inquiry responses, etc.), and presented advertisements. The printing device 15 functions as the presentation means 4 and prints an image, or the like, displayed on the display device 14. Examples of the printing device that can be used include various printing devices, such as a laser printer, a dot-matrix printer, an inkjet printer, a page printer, a thermal printer, and a thermal transfer printer.

[0032] The storage device (auxiliary storage device) 16 is composed of a readable/writable storage medium, and a drive device for reading and writing various information to and from the storage medium, such as programs and data. A hard disk is mainly used as the storage medium used in the storage device 16, but it is also possible to use a readable/writable storage medium from among the various types of storage media used in the storage medium drive device 17 described further below. The storage device 16 includes a program storage unit 162, a data storage unit 163, the dictionary storage unit 6, other storage units not shown (for example, a storage unit for backing put programs and data stored in the storage device 16), and the like.

[0033] The program storage unit 162 stores various programs such as a character string information acquisition processing program, a preprocessing program, an action determination processing program, a presentation processing program, a billing processing program, and a billing information presentation processing program according to the present embodiment, a kana-kanji conversion program, and the like. The data storage unit 163 functions as the user information storage means 7 to thereby store user information, information data, and other various data required by the system.

[0034] Figure 3 conceptually shows the storage content of the dictionary storage unit 6. As shown in Figure 3, the dictionary storage unit 6 includes the advertisement information dictionary 61, the case storage means 62 that functions as the case storage means, the related word dictionary 63, the preference expression rule dictionary 64, and another dictionary 65. The advertisement information dictionary 61 stores advertisement information (active advertisement information, response advertisement information, priority ranking information), which is presented by the advertisement provider and that is acquired by the communication control device 18 or the storage medium drive device 17, which functions as the advertisement acquisition means 5.

[0035] The active advertisement information is information for the system to actively present advertisements to the user, composed of advertising companies, products to be advertised, and action contents, such as text or voice, for advertising the products to be advertised, and is stored in the form of a table. For example, active advertisement information on energy drinks is stored in a table like the one shown below.

Yonkyo Co., Ltd.'s "Rogain J": "Rogain J" by Yonkyo Co., Ltd. is recommended for hardworking businessmen.

Chuho Pharmaceutical's "Neovita Drink": Chuho Pharmaceutical's "Neovita Drink" contains 2000 mg of taurine, so it will blow away your fatigue.

[0036] The response advertisement information is information for advertising in accordance with the user's remarks and inquiries, and is composed of action contents, such as text or voice, that respond to the user's remarks and inquiries, such as the price, efficacy, and release date of said product. For example, response advertisement information on energy drinks is stored in a table like the one shown below.

Price of "Rogain J": "Rogain J" is priced affordably at XX yen.

Release date of "Neovita Drink": It is scheduled to be released at the end of XX-month. Stay tuned!!

[0037] The priority ranking information is information used for determining which advertisement to prioritize when there are competing advertisements, and is composed of registration fees, and the like. For example, priority ranking information for advertisements is stored in a table like the one shown below.

Registration fee 1st place: Yonkyo Co., Ltd.'s "Rogain J"

Registration fee 2nd place: Chuho Pharmaceutical's "Neovita Drink"

[0038] The advertisement information dictionary 61 is independent of the preprocessing means 2 and the action determination means, so that advertisements can be easily added or replaced. That is, the advertisements are not always fixed, and can be replaced or added as a result of a sponsorship change or a new participant.

[0039] Cases assuming a wide range of user remarks are defined in the case dictionary 62. These cases are defined as if-then format rules (cases), such as "if the user remarks 'I'm tired,' then present a first candidate energy drink." Then, in response to the keyword "tired," the action "present a first candidate energy drink" is determined from among the above-described cases. These if-then format cases also define cases for making inquiries for determining the advertisement target. In addition, cases are defined so as to present appropriate advertisements by preparing case matching conditions corresponding to (assuming) various situations, such as a history of remarks and a progress status of inquiry responses. For example, cases are defined to present appropriate advertisements at appropriate timings, such as responding to a request to stop advertisements or a change request from the user. These case matching conditions refer to the if (condition) portion in the if-then rule. Specifically, they are defined assuming conditions

regarding keywords, remark history (what topics were mentioned in the past, etc.), progress status of inquiry responses (hierarchical information on inquiry responses, etc.), user information (likes, dislikes, etc.), and various other items.

[0040] The preference expression rule dictionary 64 defines a preference expression rule that determines whether information representing preference is included in the character string information, and if a user input such as "I don't like XXX," "I like XXX," "XXX is nice," and "XXX is cool" is returned as a hit, then the user input is stored internally. The preference information present in the character string information extracted in accordance with this preference expression rule is stored, as user information, in the data storage unit 163 (user information storage means 7), together with the target of the preference information (preference target).

[0041] This preference expression rule dictionary 64 can store rules independently, but in the present embodiment, it is incorporated in the cases of the case dictionary 62. That is, in addition to an advertisement presentation process, a preference information holding process is also stated in the then portion of the if-then rule of the cases defined in the case dictionary 62. For example, in the if-then rule shown in Figure 6(b), described further below, the preference information holding process is defined by the statement "user_information [likes: laptop computer]." In this manner, if there is information in the user remark indicating the user's preference, there is a function to retain it as useful information for the advertisement provider.

[0042] The related word dictionary 63 stores words related to specific words, such as hypernyms, hyponyms, related words, antonyms, and the like. For example, "sports" is stored as a hypernym of the specific word "snowboard." As a result, for example, when a user A is talking about "snowboard," it becomes possible for the action determination means 3 to determine that the topic includes "sports," which is its hypernym, and to determine a sports-related advertisement as the agent's action. Specifically, let us assume that an inquiry "what is Mr. A's hobby?" is made to the user A, as the agent's action. In this case, if user A responds "my hobby is snowboarding," the character information acquisition means 1corresponding to this remark. Then, the keyword "snowboard" is extracted by means of preprocessing by the preprocessing means 2. Then, the action determination means 3 detects the related word "sports" corresponding to "snowboard" from the related word dictionary 63, and further determines the corresponding action from the case dictionary 62, using the extracted "sports" as the keyword. For example, the comment "Huh.

You like sports.is presented by the presentation means 4. Thereafter, conditioned upon acquisition of character string information of a positive response, such as a reaction from the user like "Yeah. I guess so." an advertisement for "sports goods", such as an advertisement like "If you're going to play sports, running shoes made by Asics are good." is presented to the user by the presentation means 4 as the agent's action. In the present embodiment, referencing of the related word dictionary 63 described above by the action determination means 3 is carried out when a case that returns a hit with respect to an independent word (keyword) obtained in the preprocessing of the preprocessing means 2 is not present in the case dictionary 62.

[0043] The storage medium drive device 17 shown in Figure 2 is a drive device used by the CPU 111 to read data including computer programs and documents from an external storage medium. The computer programs stored in the storage medium include various processing programs for the character string information acquisition process, the preprocessing, the action determination process, the presentation process, the billing process, the billing information presentation process, etc., according to the present embodiment, as well as data and dictionaries used by said processes. Here, the storage medium refers to a storage medium in which computer programs, data, etc., are stored, and specifically includes magnetic storage media such as floppy disks, hard disks, and magnetic tapes, semiconductor storage media such as memory chips and IC cards, storage media from which information is optically read, such as CD-ROMs, MOs, and PDs (Phase Change Rewritable Optical Disk), storage media using paper, such as paper cards and paper tapes (as well as media having a function corresponding to paper and that is programmable by means of scanning and character recognition), and storage media to which computer programs, etc., are stored by various other methods. Storage media mainly used as the storage medium used in the information presentation device according to the present embodiment are storage media such as CD-ROMs and floppy disks. In addition to reading a computer program from these various storage media, the storage medium drive device 17 can write data, etc., stored in the RAM 113 and the storage device 16 to a writable storage medium, such as a floppy disk.

[0044] When reading the character string information of the user remark stored in a floppy disk, a memory chip, an IC card, etc., via the storage medium drive device 17, the storage medium drive device 17 functions as the character string information acquisition means 1.

[0045] In the information presentation device according to the present embodiment, the CPU 111 of the control unit 11 reads computer programs from an external storage medium set in the

storage medium drive device 17, and stores (installs) the computer programs in each unit of the storage device 16. Then, when executing the preprocessing, the information presentation process such as the action determination process, and other processes according to the present embodiment, the programs are read from the storage device 16 onto the RAM 113 and executed by the CPU 111. However, a program can be read by the storage medium drive device 17 from an external storage medium, instead of the storage device 16, directly onto the RAM 113, and executed. In addition, depending on the information presentation device, programs for the data analysis process of the present embodiment may be stored in the ROM 112 in advance, and be executed by the CPU 111. Furthermore, various programs and data such as programs for the information presentation process of the present embodiment may be downloaded from another storage medium via the communication control device 18 and executed.

[0046] The communication control device 18 is a control device for establishing a network connection between the information presentation device and various other external electronic devices, such as personal computers and word processors. The communication control device 18 enables access from these various external electronic devices via this communication control device 18, and user remarks can be input thereto from the external electronic device. The communication control device 18 in this case functions as the character string information acquisition means 1. In addition, advertisement information can be acquired from an external electronic device of the advertisement provider via the communication control device 18 to update the advertisement information dictionary 61. The communication control device 18 in this case functions as the advertisement acquisition means 5. It is possible to output, to an external electronic device, actions determined by the action determination means 3 (inquiry responses, advertisements, and the like) via the communication control device 18, in which case the communication control device 18 functions as the presentation means 4. Furthermore, the communication control means 18 functions as a billing information presentation means 9 and transmits billing information to an external electronic device of the advertisement provider.

[0047] The input/output I/F 19 is an interface for connecting various devices for outputting voice, music, and the like, such as a speaker. The character recognition device 20 is a device for recognizing characters written on paper, or the like, in various formats, such as text format, HTML format, or the like, and is composed of an image scanner, a character recognition program, and the like. This character recognition device 20 functions as the character

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information acquisition means 1. A microphone, not shown, which functions as a voice capturing means for capturing voice, is connected to the voice recognition device 21, which recognizes the voice captured by the microphone and converts the voice to text data. The voice recognition device 21, when recognizing information data composed of voice that is input from the microphone and converting the information data into character string information, functions as the character string information acquisition means 1.

[0048] Figure 4 shows the system configuration when the owner of the information presentation device for display and the user requesting the presentation of the advertisement are different. As shown in Figure 4, an information presentation device 100 functions as a server, and is connected, via the Internet 30 as the network, to client devices 40a, 40b,..., home electric appliances such as a television 40d, a rice cooker 40e, a microwave over 40f, and various client devices (electronic devices) such as a mobile phone 40g. Each client device 40 may be connected to the information presentation device 100 via various networks other than the Internet 30, such as LAN (Local Area Network). In this manner, by causing the information presentation device 100 according to the present embodiment to function as a server on a network, it becomes unnecessary to store and update various data and dictionaries for each client device that is used by the user. In addition, since the advertisement information dictionary is on a network and is constantly updated, the latest advertisement can always be presented to the user. In addition, since the information presentation device 100 functions as a server on a network, it becomes possible to incorporate the advertisement presentation function as well as a daily conversation function of the information presentation device 100 into chat rooms on web sites. When the client device 40 also functions as an information presentation device, it is possible to download the latest advertisement information from the information presentation device 100 that functions as a server on the Internet.

[0049] The processing operation carried out by the information presentation device configured as described above will be described next. Figure 5 shows conversation examples (a), (b) between a user and an agent in a case of presenting an advertisement for an energy drink, assuming the user's remarks relating to fatigue, and an if-then rule (c) that shows the action determination procedure carried out by referring to this case. As shown in Figures 5(a) and (b), when the user (User) remarks "I've been fatigued recently, " the character string information acquisition means 1 acquires the character string information corresponding to this remark. The acquisition of this

character string information is achieved by acquiring input data as the character string information if the user inputs from the keyboard 12, and by acquiring the character string information corresponding to the voice recognized by the voice recognition device 21 if the user is speaking into the microphone (the same applies hereinafter).

[0050] Next, the preprocessing means 2 carries out preprocessing on the acquired character string information and creates clause information. Then, an action determination unit compares each of the independent words of the created clause information and the condition portion (if portion) of each case in the case dictionary 62, and when the keyword (independent word) "fatigue" returns a hit, determines "energy drink (first candidate)" as the action in accordance with the provision of the then portion of the corresponding case.

[0051] Based on this determination, the presentation means 4 looks up what the first candidate energy drink is in the advertisement information dictionary 61 (refers to the priority ranking information). If the first candidate of the priority ranking information is Yonkyo Co., Ltd.'s "Rogain J," then the action content therefor is looked up, and, as a result, the presentation means 4 presents, as shown in Figures 5(a), (b), the advertisement phrase "'Rogain J' by Yonkyo Co., Ltd. is recommended for hardworking businessmen." to the user as the agent's action. The presentation of this advertisement is carried out by outputting a synthesized voice from the speaker of the output means in the case where the character information acquisition means 1 acquired the information from the result of voice recognition based on voice, and by displaying the advertisement on the display screen of the display device 14, if the information is acquired as text data from the keyboard, or the like.

[0052] Then, if the user remarks "I don't need that now..." as shown in Figure 5(a) with respect to the agent's advertisement (action), based on the keyword "don't need" extracted from this remark, the agent takes the action "Oh, I'm sorry, I'll stop the advertisement." The process from the user's remark to the agent's action (presentation of the response or the advertisement by the presentation means) is carried out in the same manner as up to the presentation of the advertisement for Rogain in response to "fatigue" described above. However, as defined in Figure 5(c), since the action "Oh, I'm sorry, I'll stop the advertisement." is defined in this case, the presentation means 4 presents the action of the specified content to the user without referring to the advertisement information dictionary 61.

[0053] On the other hand, if the user remarks "I want to see an advertisement for a different manufacturer" as shown in Figure 5(b) with respect to the agent's advertisement (action), based on the keywords "different" and "manufacturer" extracted from this remark, the action determination means 3 determines, as the action, "energy drink (second candidate)" from the provision of the then portion of the case in the case dictionary 62 that returns a hit. Then, the presentation means 4 looks up the second candidate energy drink from the advertisement information dictionary 61, and if the second candidate is Chuho Pharmaceutical's "Neovita Drink," looks up the action content therefor. As a result, as shown in Figure 5(b), the presentation means 4 presents, to the user, the advertisement phrase "Then how about Chuho Pharmaceutical's 'Neovita Drink'..." as the agent's action.

[0054] Figure 6 shows a case in which an advertisement is presented assuming the user's remark relating to PCs, showing a conversation example (a) between the user and the agent, and an if-then rule (b) that shows the action determination procedure carried out by referring to this case. As shown in Figure 6(a), with respect to the user's remark "I wonder if it's about time I replaced this PC," the agent of the information presentation device determines that the topic is about PCs and suggests presenting an advertisement for a PC such as "What kind of PC would you like? How about a desktop PC?" If the user responds to this by saying "I don't need a big desktop. I'd rather get a laptop computer," the agent determines that an advertisement for a laptop computer, rather than a desktop computer, should be presented, and responds to the inquiry "You want a laptop, right?" If the user responds "Yeah. Something under 200,000 yen," the agent determines that it is the appropriate timing to present an advertisement, and presents the advertisement "For someone like you, I recommend BBM's TankPad. Take a look at this."

[0055] Figure 6 (b) shows the case (if-then rule) that presumed such user remarks and responses as shown in (a). The <critical> portion of the keyword "desktop <critical>" in this case is additional information that is appended to the clause information. This additional information is used by the preprocessing means 2 to determine whether the user has made a critical evaluation with respect to a specific keyword, from expressions such as "won't buy" "don't need" "don't like" "unnecessary" and the like.

[0056] Then, as shown in Figure 6(a), when the assumed user remark is established (when the if condition is met), the user's preference information that the user dislikes desktop PCs and likes laptop computers is obtained, and definitions "user_informatinon [likes: laptop computer]" and

"user_information [dislikes: desktop PC]" are provided giving instructions about the preference information holding process in these cases.

[0057] Figure 7 shows a case assuming user remarks between a user and an agent when the information presentation device is incorporated in a household electrical appliance. The case dictionary of this information presentation device defines cases for the agent to execute a command operation function, and the command operation function based on these cases is incorporated in the household electrical appliance. Figure 7 is a case in which the information presentation device is incorporated in a rice cooker. As shown in Figure 7, in response to the user's remark "Make sure than I can eat at 7 o'clock tomorrow morning," the action determination means 3 refers to the case dictionary 62 and determines a reservation command for the time to finish cooking. By means of this reservation command, the control unit of the rice cooker sets a reservation (command operation function) such that the cooking of the rice will be done at the specified time of 7 o'clock in the morning. Then, the action determination means 3 of the information presentation device determines, in accordance with the case, the response and inquiry "Got it. How firm do you want it to be?" and presents them by means of the presentation means.

[0058] If the user responds to this with "Make it a bit soft," the action determination means 3 determines a setting command for the firmness of the freshly cooked rice. Based on this determination, the command operation function of the rice cooker is set so that the rice is cooked firmly. Then, the action determination means 3 of the information presentation device determines, in accordance with the case, the response and inquiry "Got it. By the way, what are you going to have for the main dish?" and presents them by means of the presentation means.

[0059] The following is a description of the repetition of the assumed user remarks and the agent's advertisement presentation function. That is, as shown in Figure 7, in response to the user remark "I haven't decided yet . . . ," the information presentation device presents, to the user, the advertisement "How about Kadomiya's 'Domestic Soybean Natto' for breakfast? It uses 100% carefully selected soybeans grown in Hokkaido. Of course, it doesn't use any genetically modified soybeans." Then, if the user remarks "That's good. How much is it?" the information presentation device presents the advertisement (presentation of detailed information) "Only 160 yen for three 40 g packs." Furthermore, the user's response "That's perfect for me, before payday!" is assumed, and in the same manner thereafter, advertisement presentations and

command operations are continued in accordance with cases corresponding to various presumed user remarks.

[0060] Products "with advertisement presentation functions" as described above are sold at a lower cost than products that do not have advertisement presentation functions. Alternatively, a "cash back function" may be added and advertisement fees obtained from the advertisement provider may be returned to the user.

[0061] Figure 8 shows an assumed example of when the information presentation device is used for chat. That is, a case is created in which the advertisement presentation function and the daily conversation function are incorporated in a chat room on a website. A case is defined in which, while user A and user A are chatting, the system senses that it is 3 o'clock, and the information presentation device presents the action "Hey A and B. It's 3 o'clock already. What are you having for afternoon tea?"

[0062] In this manner, cases are defined such that, when there are people in a chat room but there have been no remarks for a set period of time, or when a specific time arrives, the agent actively presents an advertisement. This leads to reactivation of the chat and provision of topics. Additionally, cases are defined such that if one user enters an empty chat room, the user can have a daily conversation with the agent until another user enters. The user can thereby be incentivized to stay in the chat room.

[0063] According to the present invention described above, the following effects can be obtained.

(1) It becomes possible to present, to a user, an advertisement with an appropriate content at an appropriate timing.

(2) It becomes possible to present different advertisements depending on the user's request for more details.

(3) It becomes possible to appropriately respond to the user's inquiry regarding the content of the advertisement.

(4) It becomes possible to determine what the topic is related to from keywords spoken by the user so as to present an appropriate advertisement.

[0064] One embodiment of the information presentation device, the information presentation program, and the information presentation method according to the present invention was described above, but the present invention is not limited to the above-described embodiment, and

various modifications can be made within the scope described in each of the claims. For example, in the embodiment described above, a case was described in which cases for carrying out if-then format processes are stored in the case dictionary 62; however, the cases may be incorporated in an action determination process for the action determination means 3 as an if-then format program.

[0065] Additionally, in the embodiment described above, when there is a plurality of competing advertisements, priority ranking information is stored in the advertisement information dictionary 61, and those with the highest advertisement fees are preferentially displayed, but since there is the possibility that advertisements with low advertisement fees will not be presented, the number of times that advertisements are presented may be counted, and the advertisements may be presented an appropriate number of times in consideration of this count number and advertisement fees.

[0066] In addition, instead of setting a priority ranking, inquiries such as "what flavor do you like?" and "what kind of energy drink do you like?" may be set in the if-then rules so that the advertisement target and the energy drink, of which there is a plurality, may be ultimately determined.

[0067]

[Effect of the Invention] According to the present invention, it becomes possible to present, to a user, an advertisement with a more appropriate content at a more appropriate timing.

[BRIEF DESCRIPTION OF THE DRAWINGS]

[Figure 1] Figure 1 is a configuration of one embodiment of the information presentation device according to the present invention, conceptually showing a configuration of an information presentation program and of a computer that has read the program of a storage medium to which said information presentation program is stored according to the present invention.

[Figure 2] Figure 2 shows a specific system configuration of the information presentation device configured in this manner. Figure 2 mainly shows a configuration when the owner of the information presentation device and the user are the same.

[Figure 3] Figure 3 conceptually shows the storage content of the dictionary storage unit 6.

[Figure 4] Figure 4 shows the system configuration when the owner of the information presentation device for display and the user requesting the presentation of the advertisement are different.

[Figure 5] Figure 5 shows conversation examples (a), (b) between a user and an agent in a case of presenting an advertisement for an energy drink, assuming the user's remarks relating to fatigue, and an if-then rule (c) that shows the action determination procedure carried out by referring to this case.

[Figure 6] Figure 6 shows a case in which an advertisement is presented assuming the user's remark relating to PCs, showing a conversation example (a) between the user and the agent, and an if-then rule (b) that shows the action determination procedure carried out by referring to this case.

[Figure 7] Figure 7 shows a case assuming user remarks between a user and an agent when the information presentation device is incorporated in a household electrical appliance.

[Figure 8] Figure 8 shows an assumed example of when the information presentation device is used for chat. That is, a case is created in which the advertisement presentation function and the daily conversation function are incorporated in a chat room on a website.

[Descriptions of the Reference Symbols]

1 Character string information acquisition means

2 Preprocessing means

3 Action determination means

4 Presentation means

5 Advertisement acquisition means

6 Dictionary storage unit

7 User information storage means

8 Billing means

9 Billing information presentation means

10 Preference expression extraction

61 Advertisement information dictionary

62 Case storage means

63 Related word dictionary

64 Preference expression rule dictionary

100 Information presentation device

30 Internet

40a-40c Client devices

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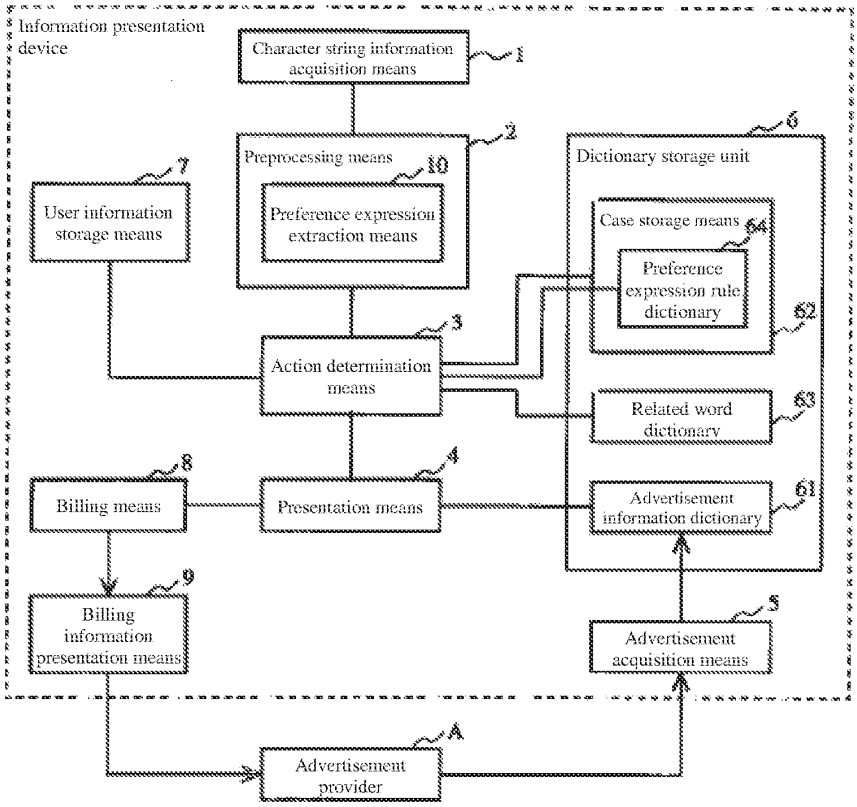
40d Television

40e Rice cooker

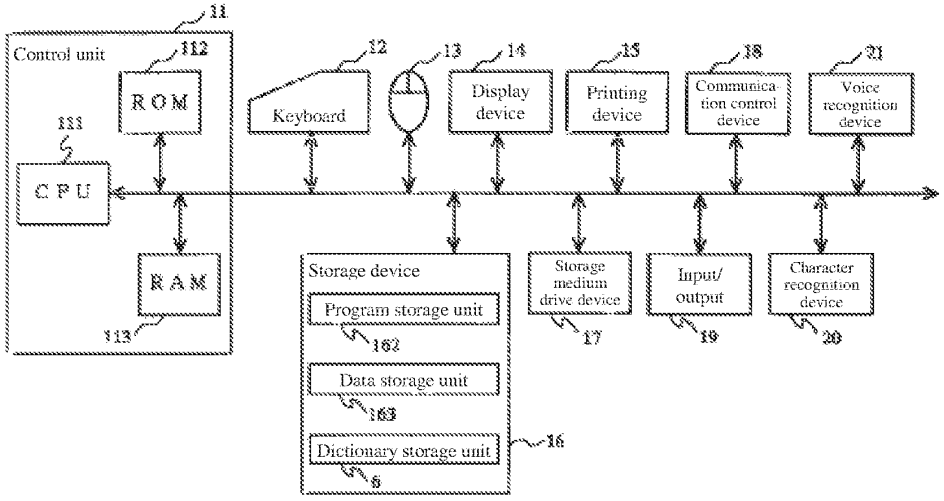
40f Microwave oven

40g Mobile phone

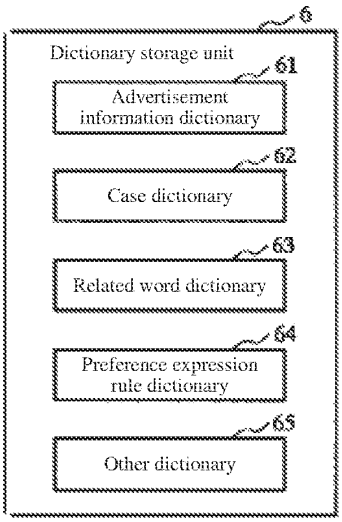
[FIGURE 1]



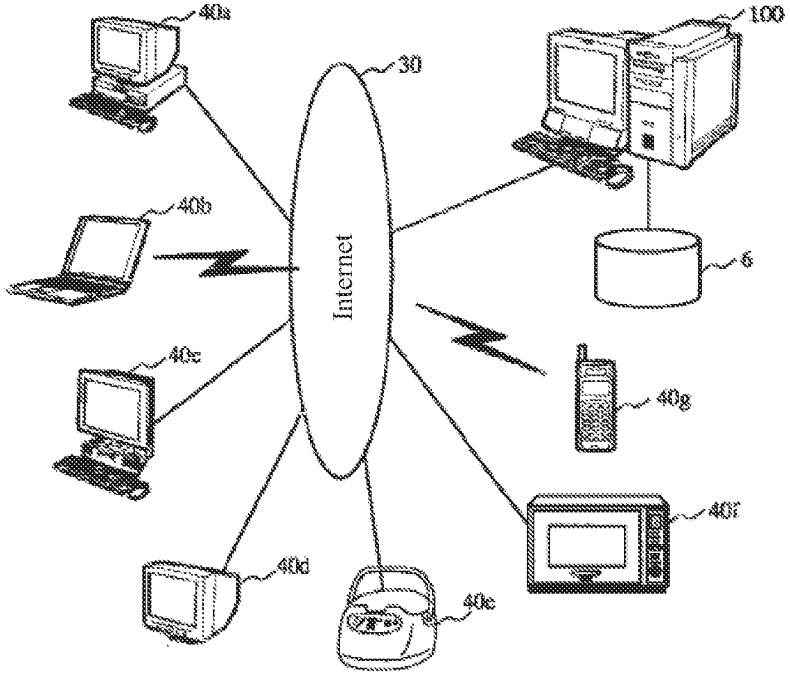
[FIGURE 2]



[FIGURE 3]



[FIGURE 4]



[FIGURE 5]

<Conversation example between user and agent>

(a)

User : I've been fatigued recently.

Agent : "Rogain J" by Yonkyo Co., Ltd. is recommended for hardworking businessmen.

User : I don't need that now • • •

Agent : Oh, I'm sorry. I'll stop the advertisement.

(b)

User : I've been fatigued recently.

Agent : "Rogain J" by Yonkyo Co., Ltd. is recommended for hardworking businessmen.

User : I want to see an advertisement for a different manufacturer.

Agent : Then how about Chuho Pharmaceutical's 'Neovita Drink" • • •

<If-then rule representing an action determination means by means of case reference>

(c)

```
 ` ` ` `
if (keyword[fatigue]) then
{
 advertise[energy drink (first candidate)]
 if (keyword[don't need]) then
{
     reply[Oh, I'm sorry. I'll stop the advertisement.]
 }
 else if (keyword[different] and keyword[manufacturer]) then
 {
     advertise[energy drink (second candidate)]
}
}
```

[FIGURE 6]

<Conversation example between user and agent>

(a)

User	:	I wonder if it's about time I replaced this PC.
Agent	:	What kind of PC would you like? How about a desktop PC?
User	:	I don't need a big desktop. I'd rather get a laptop computer.
Agent	:	You want a laptop, right?
User	:	Yeah. Something under 200,000 yen.
Agent	:	For someone like you, I recommend BBM's TankPad. Take a look at this.

<If-then rule that shows the action determination procedure carried out by referring to this case>

(b)

```
if(keyword [PC] and keyword [replace<positive, present form or future form>]
 {
   reply [What kind of PC would you like? How about a desktop PC?]
   if(keyword [desktop<critical>] and keyword [laptop]) then
   {
        user_information [likes: laptop computer]
        user_information [dislikes: desktop PC]
        reply [You want a laptop, right?]
        if(keyword [<numerical value>yen or lower] and keyword [want]) then
        {
                        advertise [<numerical value>laptop computer under ~yen]
      }
        otherwise
        {
                        advertise [common laptop computer]
        }
  }
}
```

*Whether the user has made a critical evaluation with respect to a specific keyword is determined, from expressions such as "won't buy," "don't need," "don't like," "unnecessary," and the like.

[FIGURE 7]

Example 1: Incorporation into household electrical appliances

• Advertisement presentation function is incorporated in a home electric appliance {together with a command operation function by an agent}

*User • • • Human Agent • • • Rice cooker

User : Make sure than I can eat at 7 o'clock tomorrow morning.

Agent : Got it. How firm do you want it to be?

User : Make it a bit soft.

Agent : Got it. By the way, what are you going to have for the main dish?

User : I haven't decided yet • • •

Agent : How about Kadomiya's "Domestic Soybean Natto" for breakfast?

It uses 100% carefully selected soybeans grown in Hokkaido.

Of course, it doesn't use any genetically modified soybeans.

User : That's good. How much is it?

Agent : Only 160 yen for three 40 g packs.

User : That's perfect for me, before payday!

[FIGURE 8]

Example 2: Incorporation into chats

• The advertisement presentation function and the daily conversation function are incorporated in a chat room on a website.

*UserA, UserB • • • Chat participants		
UserA	:	I'm getting tired of chatting. There are only the two of us for a while.
UserB	:	Yeah. I'm tired.
Advertisement	:	Hey, A and B. It's 3 o'clock already. What are you having for afternoon tea?
		For an afternoon snack, I have to recommend Laurent's Kalbi Bun.
		The word "kalbi" is branded on top, and the seasoning is exactly the taste of kalbi.
UserB	:	I'm a sweet tooth.
Advertisement	:	Ah, you're a sweet tooth. Number one recommendation for a sweet tooth is "Cappuccino Bun."
		The coffee cream and the milk cream form an exquisite harmony that will melt you.
UserA	:	Oh. I had a Cappuccino Bun the other day.
UserB	:	Huh, you're actually a sweet tooth, too.

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May 27, 2020

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This is to certify that the above-referenced documents **(JP2002297626A)** have been translated from Japanese into English by a professional translator on our staff who is skilled in the Japanese language.

The English translation conforms essentially to the original Japanese except for those words or phrases for which there are no equivalents. Such words or phrases are noted in the translation along with the best English meaning.

Tonja Shepard
TONJA SHEPARD

Subscribed and sworn to before me on May 27, 2020.

Deborah K. Wright
Notary Public, State of Texas

My commission expires: April 12, 2022

DEBORAH K. WRIGHT
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	１７０		１７０Ｚ
9/44	５５０	9/44	５５０Ｎ
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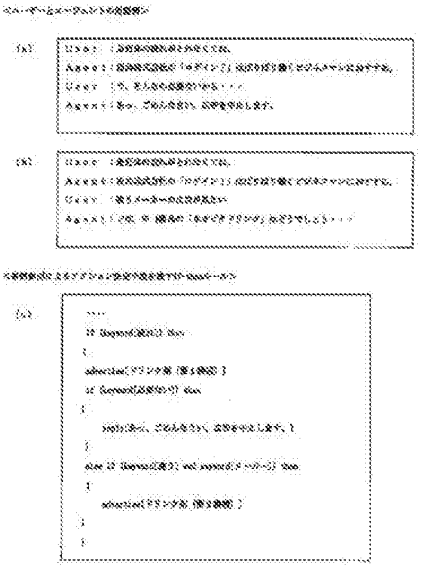
(54)【発明の名称】　情報提示装置、情報提示プログラム、及び情報提示方法

(57)【要約】
【課題】　ユーザに対して、より適切なタイミングでより適切な内容の広告を提示できる、情報提示装置を提供する。
【解決手段】　ユーザ発言を想定した事例を参照しながらより詳細な解析処理を行う対話システムにより、広告を提示し、また、広告を提示するための問い返しを行う。そうすることで、広告のなかからユーザの嗜好に合ったものを取捨選択して適切なタイミングで提示したり、広告の問い合わせに対する簡単な応答を返せるようにする。このような動作を擬似人格を有するエージェントによる動作として、コンピュータが実現する。そのためのコアエンジンとして、ユーザ発言を想定した可能な限りの事例を用意し、この事例を参照しながら、エージェントのアクション（ユーザへの問い返しや広告）を決定する。コアエンジンは、前処理及びアクション決定を行う。



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【特許請求の範囲】
【請求項1】　予め想定されるユーザの発言と、当該発言に対応する問い返し又は広告のアクションとが事例として複数記憶される事例記憶手段と、
ユーザの発言内容に対応する文字列情報を取得する文字列情報取得手段と、
前記文字列情報取得手段で取得した文字列情報を分析する前処理手段と、
前記前処理手段による分析結果に基づいて、前記事例記憶手段に記憶された事例に従いユーザに対するアクションを決定するアクション決定手段と、
前記アクション決定手段で決定した問い返し又は広告をユーザに提示する提示手段と、を具備することを特徴とする情報提示装置。
【請求項2】　前記事例記憶手段に記憶された事例はIf-thenルールにより規定されていることを特徴とする請求項1に記載の情報提示装置。
【請求項3】　前記If-thenルールは、前記前処理手段で分析されたキーワード、発言履歴、問い返しの進捗状況、ユーザの嗜好等を表すユーザ情報のうちの少なくとも1つを事例マッチングのための条件とすることを特徴とする請求項1に記載の情報提示装置。
【請求項4】　前記前処理手段は、取得した前記文字列情報から自立語と付属語からなる文節情報を作成することを特徴とする請求項1に記載の情報提示装置。
【請求項5】　前記前処理手段は、文節情報として、肯定形、否定形、現在形、未来形等の付加情報を付加することを特徴とする請求項4に記載の情報提示装置。
【請求項6】　前記前処理手段は、前記文字列情報から、嗜好を表す嗜好情報を抽出する嗜好表現抽出手段を備え、
この嗜好表現抽出手段で抽出した嗜好情報と、その嗜好情報の対象とをユーザ情報として記憶するユーザ情報記憶手段を有することを特徴とする請求項1に記載の情報提示装置。
【請求項7】　前記事例記憶手段は、前記複数の事例を事例辞書又は処理プログラムとして記憶することを特徴とする請求項1に記載の情報提示装置。
【請求項8】　広告提供者から提示される広告を取得する広告取得手段と、
広告取得手段で取得した広告を記憶する広告情報辞書を備え、
前記提示手段は、前記アクション決定手段で広告のアクションが決定された場合に、前記アクションに対応する広告を前記広告情報辞書から読み出して前記ユーザに提示することを特徴とする請求項1に記載の情報提示装置。
【請求項9】　特定の語に対する上位語、下位語、関連語、反対語のうちの少なくとも1つからなる関連語が格納された関連語辞書を備え、
前記アクション決定手段は、前記前処理手段で分析された特定の語に対する関連語を前記関連語辞書から抽出し、前記特定の語及び抽出した関連語の少なくとも一方に基づいて、前記事例記憶手段に記憶された事例に従いユーザに対するアクションを決定することを特徴とする請求項1に記載の情報提示装置。
【請求項10】　予め想定されるユーザの発言と、当該発言に対応する問い返し又は広告のアクションとが事例として複数記憶される事例記憶手段、
ユーザの発言内容に対応する文字列情報を取得する文字列情報取得手段、
前記文字列情報取得手段で取得した文字列情報を分析する前処理手段、
前記前処理手段による分析結果に基づいて、前記事例記憶手段に記憶された事例に従いユーザに対するアクションを決定するアクション決定手段、
前記アクション決定手段で決定した問い返し又は広告をユーザに提示する提示手段、としてコンピュータを機能させるための情報提示プログラム。
【請求項11】　ユーザの発言内容に対応する文字列情報を取得する文字列情報取得ステップと、
前記文字列情報取得ステップで取得した文字列情報を分析する前処理ステップと、
前記前処理ステップによる分析結果に基づいて、予め想定されるユーザの発言と、当該発言に対応する問い返し又は広告のアクションとが事例として複数記憶された事例記憶手段に記憶された事例に従いユーザに対するアクションを決定するアクション決定ステップと、
前記アクション決定ステップで決定した問い返し又は広告をユーザに提示する提示ステップと、を実行することを特徴とする情報提示方法。
【発明の詳細な説明】
【0001】
【発明の属する技術分野】本発明は情報提示装置、情報提示プログラム、及び情報提示方法に係り、例えば、ユーザとの対話形式により広告を提示することに関する。
【0002】
【従来の技術】パーソナルコンピュータ（以下パソコンという）や、マイコンシステムを備えた電子レンジ等の各種電子機器が広く普及している。これらの電子機器では、インターネットやLAN（Local Area Network）等の各種ネットワークにより他の電子機器や装置と接続され、通信により各種情報やプログラムを取得できるようになっているものもある。このような電子機器を使用する場合、そのユーザにとって関心のある広告を適した時点で入手できると非常に便利である。一方、広告提供者にとっては、不特定多数の人に対して広告する場合に比べて、興味や関心を持ったユーザに絞って広告を提供できることは、広告することの効果を上げることになるため、非常に好ましいことである。

【0003】そこで、従来からパソコンや携帯電話等の電子機器を使用しているユーザに対して、効果的な広告を提供する方法が種々提案されている。例えば、特開平11-33482で提案されている技術では、インターネットのチャット部屋において、チャット参加者の発言ログからキーワードを抽出し、関連する広告をチャット参加者に提示することが行われている。

【0004】

【発明が解決しようとする課題】しかし、上記公報提案の技術では、単純なキーワードマッチングであり、関係のない広告にマッチしたり、ユーザが否定的な評価を持つものに対しても広告を提示してしまうという問題がある。例えば、「デスクトップパソコンは場所をとるから要らない」といった発言がされた場合を想定してみる。この場合発言内容から「デスクトップパソコン」がキーワードとしてマッチングされるため、「デスクトップパソコン」がヒットしてしまう場合がある。この様な場合、「要らない」とのユーザの重要な発言部分が無視されるため、不適切な広告を提示してしまうことになる。

【0005】また、ヒットしたキーワードに対応する通り一遍の広告しか提示できないため、ユーザのより詳細な要求に合った広告を出せないという問題もある。例えば、発言「20万円以内のノートパソコンなら買うんだけど」に対して、「20万円」「20万以内」がキーワードとして設定されている場合には、「18万円」のノートパソコンにヒットすることはなかった。

【0006】また、ユーザが広告内容について、例えば、「そのパソコンの液晶何インチ？」等の問い合わせを行ってもそれに応じることができなかった。

【0007】さらに、ユーザ発話中のキーワードから、それが何に関連する話題なのかを判断して適切な広告を提示することができなかった。例えば、ユーザがスノーボードについての発話をしているときに、スポーツ一般についての広告を出すことができなかった。

【0008】そこで本発明は、ユーザに対して、より適切なタイミングでより適切な内容の広告を提示できる、情報提示装置、情報提示プログラム、及び情報提示方法を提供することを第1の目的とする。また、ユーザのより詳細な要求に応じて、様々な広告を提示できるようにすることを第2の目的とする。また、広告内容についてのユーザの問い合わせに対して、適切な応答ができるようにすることを第3の目的とする。また、ユーザ発話中のキーワードから、それが何に関連する話題なのかを判断して適切な広告を提示できるようにすることを第4の目的とする。

【0009】

【課題を解決するための手段】請求項1に記載した発明では、予め想定されるユーザの発言と、当該発言に対応する問い返し又は広告のアクションとが事例として複数記憶された事例記憶手段と、ユーザの発言内容に対応する文字列情報を取得する文字列情報取得手段と、前記文字列情報取得手段で取得した文字列情報を分析する前処理手段と、前記前処理手段による分析結果に基づいて、前記事例記憶手段に記憶された事例に従いユーザに対するアクションを決定するアクション決定手段と、前記アクション決定手段で決定した問い返し又は広告をユーザに提示する提示手段と、を情報提示装置に具備させて前記目的を達成する。

【0010】本発明において、事例記憶手段は、事例マッチング処理を行うプログラムとして記憶してもよく、また事例マッチング処理を行うための検索データとして記憶するようにしてもよい。また、文字列情報取得手段は、キーボード等から入力されたテキストデータから文字列情報を取得し、所定の記憶媒体に格納された文字列情報を記憶媒体駆動手段により取得し、データ通信手段により外部機器で作成された文字列情報を取得し、更に、マイクや通信手段を介して音声入力された音声データを取得してこの音声データの音声認識により文字列情報を取得するようにしてもよい。また、提示手段は、問い返し又は広告をユーザに提示する場合、音声による提示、又は、液晶表示装置やCRT等の表示手段に文字列を表示することによる提示、その他の提示方法による。この場合、文字列情報取得手段により取得した形式と同一の形式により提示することが好ましい。すなわち、音声データの音声認識により文字列情報を取得した場合にはスピーカ等の音声出力手段からの音声による問い返しや広告の提示を行い、チャットのようにテキストデータにより文字列情報を取得した場合には表示手段へのテキストデータによる問い返しや、テキストデータ又は画像情報による広告の提示を行う。この場合、広告を表示する到画面、ウィンドウ、領域を、ユーザが入力した文字列情報が表示される画面、ウィンドウ、領域と別に設けるようにしてもよい。提示手段により、表示手段を介して広告を提示する場合、広告提供者の広告ページにアクセスするためのアクセス情報（例えば、リンク情報としてのURL（uniform resource locators））をユーザに提示するようにしてもよい。

【0011】本発明において、文字列情報取得手段と提示手段が、ユーザに対するエージェントとして機能し、エージェントの動作を決定するためのエンジンとして前処理手段、アクション決定手段が機能するようにしてもよい。これにより、ユーザはエージェントとの対話から、より自分の嗜好に合った広告等の情報を取得することができ、情報提示装置をより身近なものとして使用することができるようになる。ここで、「ユーザ」は広告を広める対象となる一般の人間を意味する。「エージェント」は広告主に代わって広告をユーザに提示する代理人として、またユーザの希望する広告等の情報を提供する対話相手として振る舞うことになる。

Amazon/VB Assets
Exhibit 1017
Page 3

【００１２】請求項３に記載の発明では、請求項１に記載の情報提示装置において、前記事例記憶手段に記憶された事例はIf-thenルールにより規定されていることを特徴とする。請求項３に記載の発明では、請求項１に記載の情報提示装置において、前記If-thenルールは、前記前処理手段で分析されたキーワード、発言履歴、問い返しの進捗状況、ユーザの嗜好等を表すユーザ情報のうちの少なくとも１つを事例マッチングのための条件とすることを特徴とする。請求項４に記載の発明では、請求項１に記載の情報提示装置において、前記前処理手段は、取得した前記文字列情報から自立語と付属語からなる文節情報を作成することを特徴とする。請求項５に記載の発明では、請求項１に記載の情報提示装置において、前記前処理手段は、文節情報として、肯定形、否定形、現在形、未来形等の付加情報を付加することを特徴とする。

【００１３】請求項６に記載の発明では、請求項１に記載の情報提示装置において、前記前処理手段は、前記文字列情報から嗜好をあす嗜好情報を抽出する嗜好表現抽出手段を備え、この嗜好表現抽出手段で抽出した嗜好情報と、その嗜好情報の対象とをユーザ情報として記憶するユーザ情報記憶手段を有することを特徴とする。嗜好表現抽出手段は、嗜好を表す情報が文字列情報に含まれているか否かを判断し、例えば、「○○が嫌い」「○○が好き」「○○が素敵」「○○がかっこいい」というユーザ入力にヒットしたら、内部的にそれを記憶する、という嗜好表現のルールに従って処理を行う。この嗜好表現ルールは、プログラムとして規定することが可能である。また嗜好表現ルール辞書に記述するようにしてもよい。

【００１４】請求項７に記載の発明では、請求項１に記載の情報提示装置において、前記事例記憶手段は、前記複数の事例を事例辞書又は処理プログラムとして記憶することを特徴とする。請求項８に記載の発明では、請求項１に記載の情報提示装置において、広告提供者から提示される広告を取得する広告取得手段と、広告取得手段で取得した広告を記憶する広告情報辞書を備え、前記提示手段は、前記アクション決定手段で広告のアクションが決定された場合に、前記アクションに対応する広告を前記広告情報辞書から読み出して前記ユーザに提示することを特徴とする。請求項９に記載の発明では、請求項１に記載の情報提示装置において、特定の語に対する上位語、下位語、関連語、反対語のうちの少なくとも１つからなる関連語が格納された関連語辞書を備え、前記アクション決定手段は、前記前処理手段で分析された特定の語に対する関連語を前記関連語辞書から抽出し、前記特定の語及び抽出した関連語の少なくとも一方に基づいて、前記事例記憶手段に記憶された事例に従いユーザに対するアクションを決定することを特徴とする。

【００１５】請求項１０に記載した情報提示プログラムでは、予め想定されるユーザの発言と、当該発言に対応する問い返し又は広告のアクションとが事例として複数記憶される事例記憶手段、ユーザの発言内容に対応する文字列情報を取得する文字列情報取得手段、前記文字列情報取得手段で取得した文字列情報を分析する前処理手段、前記前処理手段による分析結果に基づいて、前記事例記憶手段に記憶された事例に従いユーザに対するアクションを決定するアクション決定手段、前記アクション決定手段で決定した問い返し又は広告をユーザに提示する提示手段、としてコンピュータを機能させる、ことにより前記目的を達成する。

【００１６】請求項１１に記載した情報提示方法では、ユーザの発言内容に対応する文字列情報を取得する文字列情報取得ステップと、前記文字列情報取得ステップで取得した文字列情報を分析する前処理ステップと、前記前処理ステップによる分析結果に基づいて、予め想定されるユーザの発言と、当該発言に対応する問い返し又は広告のアクションとが事例として複数記憶された事例記憶手段に記憶された事例に従い、ユーザに対するアクションを決定するアクション決定ステップと、前記アクション決定ステップで決定した問い返し又は広告をユーザに提示する提示ステップと、を実行する、ことにより前記目的を達成する。

【００１７】

【発明の実施の形態】以下、本発明の情報提示装置、情報提示プログラム、及び情報提示方法における好適な実施の形態について、図１から図８を参照して詳細に説明する。

（１）実施形態の概要

本実施形態では、単なるキーワードマッチングによる広告の提示ではなく、ユーザ発言を想定した事例を参照しながらより詳細な解析処理を行う対話システムにより、広告を提示し、また、広告を提示するための問い返しを行う。そうすることで、広告の中からユーザの嗜好に合ったものを取捨選択して適切なタイミングで提示したり、広告の問い合わせに対する簡単な応答を返せるようにする。本実施形態では、このような動作を擬似人格を有するエージェントによる動作として、コンピュータが実現する。そのためのコアエンジンとして、ユーザ発言を想定した可能な限りの事例を用意し、この事例を参照しながら、エージェントのアクション（ユーザへの問い返しや広告）を決定する。コアエンジンは、前処理及びアクション決定を行う。

【００１８】（２）実施形態の詳細

図１は本発明の情報提示装置の一実施形態の構成であり、本発明の情報提示プログラムや該情報提示プログラムが記憶された記憶媒体の該プログラムが読みとられたコンピュータの構成を、概念的に表したものである。この概念構成図に示されるように、情報提示装置（コンピュータ）は、文字列情報取得手段１、前処理手段２、ア

クション決定手段3、提示手段4、広告取得手段5、辞書格納部6、ユーザ情報記憶手段7、課金手段8、課金情報提示手段9を備えている。前処理手段2は、嗜好表現抽出10を備えている。辞書格納部6は、広告情報辞書61、事例記憶手段62、関連語辞書63、嗜好表現ルール辞書64を備えている。

【0019】文字列情報取得手段1は、ユーザの発言又は発言に相当する内容を含む情報から文字列情報を取得する。例えば、入力手段としての、キーボード、マウス、マイク及びこのマイクからの音声の音声認識装置、その他の入力手段として機能する入力装置から文字列情報を直接取得する。また、文字列情報取得手段1は、通信手段やインターフェイスを介して、補助記憶装置や外部装置から、有線または無線で取得するようにしてもよい。外部装置としては、LAN接続された他のパーソナルコンピュータや、インターネットのワールド・ワイド・ウェブ（WWW）に接続された外部のパーソナルコンピュータなどが該当する。

【0020】前処理手段2は、文字列情報取得手段1で取得した文字列情報を、自立語と付属語からなる文節に区切り、文節情報を得る。前処理手段2は、区切った各文節に、肯定形、否定形、現在形、未来形などの付加情報を文節情報として付与する。また、前処理手段2は、嗜好表現抽出手段10を備えている。この嗜好表現抽出手段10は、取得した文字列情報から嗜好を表す嗜好情報を抽出するようになっている。

【0021】アクション決定手段3は、前処理手段2で得た文節情報に基づいて、予め用意された事例記憶手段62、関連語辞書63を参照しながら、エージェントが行うべきアクションを決定するようになっている。アクション決定手段3で決定するエージェントのアクションとして、ユーザの問い合わせに対する適切な応答、ユーザへの問い返し、提示する広告の決定などが行われる。後述するように、事例記憶手段62には、ユーザ発言を想定した、例えば「ユーザが『疲れた』と発言したときに第1候補のドリンク剤を提示する」というif-then形式のルール（事例）が格納されている。アクション決定手段3は、例えば、文節情報からキーワード「疲れ」がヒットすると、事例記憶手段62に格納された上記事例から、「第1候補のドリンク剤を提示する」というアクションを決定するようになっている。

【0022】また、アクション決定手段3は、関連語辞書63を用いることで、上位語、下位語、関連語、反対語などの関連語を考慮したマッチングを行うようになっている。これにより、例えばユーザが「スノーボード」について話していたなら、上位語である「スポーツ」をも話題と判断して、スポーツ関連の広告を提示することが可能になる。

【0023】また、アクション決定手段3は、前処理手段2で得た文節情報中に含まれる自立語（キーワード）や嗜好表現の出現頻度をカウントするようになっている（出現頻度カウント手段）。そして、この出現頻度からユーザの嗜好や、趣味、好み等を判断し、広告提示に利用するようになっている。例えば、本実施形態による情報提示装置をチャット部屋用のサーバーに適用した場合、「チャット部屋ごとに良く出てくるキーワード」を発言履歴としてカウントし、そのチャット部屋にどのような趣味・嗜好を持った人が多いかを自動的に判定し、それに合った広告を提示する。例えばスポーツについて話す人が多ければ、スポーツについての広告をチャット部屋に流すことが可能になる。

【0024】またアクション決定手段3は、前処理手段2で抽出された、文字列情報中に存在する嗜好情報は、その嗜好情報の対象（嗜好対象）と共に、ユーザ情報としてユーザ情報記憶手段7に格納されるようになっている。この嗜好情報の格納は、嗜好表現ルール辞書64に格納されているルールに従って抽出される。ユーザ情報記憶手段7に格納されたユーザ情報は、必要に応じて広告提供者に提供され、また、ユーザの嗜好分析等に使用される。

【0025】提示手段4は、アクション決定手段3で決定したアクションをエージェントのアクションとしてユーザに提示するようになっている。決定したアクションが、事例に基づく広告決定のための問い返しである場合、提示手段4は、事例として規定されている応答文や応答音声、又は問い返し文や問い返し音声をユーザに提示する。一方、決定したアクションが広告である場合、提示手段4は、決定したアクションに対応する広告を広告情報辞書61から読み出してユーザに提示する。提示手段4は、必要に応じて、広告中であることを明示できるようになっている。この明示はユーザの処理に基づいて停止することも可能であり、また、当初からこの機能を設けないことも可能である。広告中明示機能としては、例えば、エージェントの発言内容に「ただいま広告中です」を付け加えることによる、また、液晶表示装置等の出力装置の画面において、キャラクターに特定な広告看板の中に広告内容を表示することで、広告中であることを明示するようにしてもよい。このように広告であることを明示することで、ユーザは広告であることを認識できるため、会話中に広告を組み入れた場合に、ユーザがそれと意識できずに無意識へのすり込みとなることが防止される。

【0026】広告取得手段5は、広告提供者から提供される広告情報を取得するようになっている。広告取得手段5が取得する広告情報としては、能動広告情報、回答広告情報、優先順位情報がある。能動広告情報は、システムがユーザに対して能動的に広告提示を行うための情報で、広告企業や広告商品と、それを広告するための文言や音声からなるアクション内容などから構成される。回答広告情報は、ユーザの発言や問い合せに応じて広告

を行うための情報で、当該商品等の価格、効能、発売日など、ユーザの発言、問い合せに答える文言又や音声からなるアクション内容等から構成されている。優先順位情報は、競合する広告があった場合、どれを優先して広告するかを決定するのに使用される情報で、登録料等から構成される。また、広告取得手段5が広告情報を取得する方法としては、主として通信制御手段を介して広告提供者から送信される広告情報を取得する。なお、広告情報が記録されたフロッピーディスクやCD-ROM等の各種記録媒体を取得し、対応する記憶媒体駆動装置から広告情報を取得するようにしてもよい。広告取得手段5で取得した広告情報は、広告情報記憶61に格納されるようになっている。

【0027】課金手段8は、広告提供者に対する課金情報を算出する。課金システムとしては、例えば、登録料、個別広告料、ユーザ情報フィードバック料、詳細情報提示料、リンク料等が定められており、課金手段8は、これらの各料金を広告提供者との契約により一定期間毎に算出する。広告提供者が、本実施形態による広告提示機能に参入する場合には、登録料を徴収する。複数の広告提供者が競合する場合、登録料が高いほど広告がユーザに提示される頻度を高めるようにする。この登録料が高い程、広告情報記憶61に格納される優先順位が高く設定される。また、ユーザに広告が提示された回数に応じて、該当する広告主から個別広告料を徴収する。広告提示の中で得られたユーザの嗜好情報や個人情報を、インターネットを介して広告提供者側にフィードバックできるようにしておく。その情報量に応じて広告提供者からユーザ情報フィードバック料を徴収する。フィードバックする情報として例えば、ユーザの嗜好場合「ノートパソコンが好き」、「20万円以内」等があり、ユーザ個人情報の場合「年齢、職業、趣味、好きなもの、嫌いなものetc.」がある。ユーザから要求された詳細情報を提示した場合には、それに応じた詳細情報提示料を追加する。また、ユーザに広告へのリンク（URL）を提示し、ユーザがリンクをクリックした回数を計測するしくみを持たせておく。リンクをクリックした回数に応じてリンク料の課金を行う。以上の各料金及び課金の方法は一例であり、他の各種方法により課金するようにしてもよい。

【0028】課金手段8で算出された合計の課金額は、課金情報として、課金情報提示手段9により広告提供者に提示される。具体的な提示方法としては、広告提供者が登録した端末装置に課金メールとして送信するか、その他各種方法によってもよい。

【0029】図2は、このように構成された情報提示装置の、具体的なシステム構成を表したものである。この図2は、主として情報提示装置の所有者とユーザとが一致している場合の構成である。図2に示されるように、情報提示装置はパーソナルコンピュータやワードプロセッサ等を含むコンピュータシステムによって構成される。情報提示装置は、図2に示すようにシステム全体を制御するための制御部11を備えている。この制御部11には、データバス等のバスラインを介して、入力装置としてのキーボード12やマウス13、表示装置14、印刷装置15、記憶装置16、記憶媒体駆動装置17、通信制御装置18、入出力I/F19、及び文字認識装置20、音声認識装置21が接続されている。

【0030】制御部11は、CPU111、ROM112、RAM113を備えている。CPU111は、プログラムに従って各種装置を制御し演算を行う。ROM112は、コンピュータの起動時に実行されるプログラム等が予め格納されたリードオンリーメモリである。RAM113は、CPUが各種制御や演算を行うためのプログラムやデータが格納されるワーキングメモリとして使用され、本実施形態による、文字列情報取得処理、前処理、アクション決定処理、提示処理、課金処理、課金情報提示処理、広告取得処理等の各種処理を行うための各種エリアが確保可能になっている。

【0031】キーボード12は、入力手段を構成し、ユーザが発言内容となる文字列情報を入力したり、フロッピー（登録商標）ディスクやハードディスク等の記憶媒体に予め格納した発言内容の文字列情報を選択するために使用される。キーボード12には、仮名文字を入力するための仮名キーやテンキー、各種機能を実行するための機能キー、カーソルキー、等の各種キーが配置されている。マウス13は、ポインティングデバイスであり、キーボードと同様に入力手段を構成し、表示装置14に表示されたキーやアイコン等をクリックすることで、発言内容の文字列情報を選択したり、エージェントから提示された広告のリンク情報を選択したり、特定の処理の選択と命令を行う。表示装置14は、例えばCRTや液晶ディスプレイ等が使用される。この表示装置14は提示手段4として機能し、その画面にはユーザの発言内容や、エージェントからの応答（問い返し等）や提示される広告が表示されるようになっている。印刷装置15は、提示手段4として機能し、表示装置14に表示された画像等の印刷を行うためのものである。この印刷装置としては、レーザプリンタ、ドットプリンタ、インクジェットプリンタ、ページプリンタ、感熱式プリンタ、熱転写式プリンタ、等の各種印刷装置が使用される。

【0032】記憶装置（補助記憶装置）16は、読み書き可能な記憶媒体と、その記憶媒体に対してプログラムやデータ等の各種情報を読み書きするための駆動装置で構成されている。この記憶装置16に使用される記憶媒体としては、主としてハードディスクが使用されるが、後述の記憶媒体駆動装置17で使用される各種記憶媒体のうちの読み書き可能な記憶媒体を使用するようにしてもよい、記憶装置16は、プログラム格納部162、データ格納部163、辞書格納部6、図示しないその他の

格納部（例えば、この記憶装置１６内に格納されているプログラムやデータ等をバックアップするための格納部）等を有している。

【００３３】プログラム格納部１６２には、本実施形態における、文字列情報取得処理プログラム、前処理プログラム、アクション決定処理プログラム、提示処理プログラム、課金処理プログラム、課金情報提示処理プログラム、広告取得処理プログラム等の各種処理プログラム、等の各種、仮名漢字変換プログラム等の各種プログラムが格納されている。データ格納部１６３には、ユーザ情報記憶手段７として機能することでユーザ情報が格納される他、情報データやシステムが必要とする各種データが格納される。

【００３４】図３は、辞書格納部６の格納内容を概念的に表したものである。この図３に示されるように、辞書格納部６は、広告情報辞書６１、事例記憶手段として機能する事例辞書６２、関連語辞書６３、嗜好表現ルール辞書６４、その他の辞書６５を備えている。広告情報辞書６１には、広告提供者から提示され、広告取得手段５として機能する通信制御装置１８又は記憶媒体駆動装置１７で取得する広告情報（能動広告情報、回答広告情報、優先順位情報）が格納されている。

【００３５】能動広告情報は、システムがユーザに対して能動的に広告提示を行うための情報で、広告主要や広告商品と、それを広告するための文言や音声からなるアクション内容などから構成され、テーブルの形で格納されている。例えば、ドリンク剤の能動広告情報の場合、次のようなテーブルで格納されている。

四共株式会社の「ロゲインＪ」：四共株式会社の「ロゲインＪ」は、ばりばり働くビジネスマンにおすすめ。

中部薬品の「ネオビタドリンク」：中部薬品の「ネオビタドリンク」はクウリンが２０００ｍｇも入ってるから疲れも吹っ飛びますよ。

【００３６】回答広告情報は、ユーザの発言や問い合せに応じて広告を行うための情報で、当該商品等の価格、効能、発売日など、ユーザの発言や問い合せに答える文言や音声からなるアクション内容等から構成され、テーブルの形で格納されている。例えば、ドリンク剤の回答広告情報の場合、次のようなテーブルで格納されている。

「ロゲインＪ」の値段：「ロゲインＪ」はお求めやすい○○円。

「ネオビタドリンク」の発売日：○月末に発売予定です。どうぞ期待！！

【００３７】優先順位情報は、適合する広告があった場合、どれを優先して広告するかを決定するのに使用される情報で、登録料等から構成される、広告の優先順位情報は、次のようなテーブルで格納されてる。

登録料１位：四共株式会社の「ロゲインＪ」

登録料２位：中部薬品の「ネオビタドリンク」

【００３８】広告情報辞書６１は、前処理部２やアクション決定手段と切り離されているので、広告の追加・差し替えを容易に行うことができる。すなわち、広告は常に固定的ではなく、スポンサーが変わる、参入するなどの理由で差し替え、追加が起った場合にも対応することができる。

【００３９】事例辞書６２には、広範なユーザ発言を想定した、事例が規定されている。この事例は、例えば「ユーザが『疲れた』と発言したときに第１候補のドリンク剤を提示する」というif-then形式のルール（事例）として規定されている。そして、キーワード「疲れ」に対して、上記事例から、「第１候補のドリンク剤を提示する」というアクションが決定されるようになっている。このif-then形式による事例は、広告対象を決定するための問い合わせを行うための事例も規定されている。また、発言履歴や問い返しの連鎖状況など、様々な状況に応じた（想定した）事例マッチ条件を予め用意することで、適切な広告を提示するように、事例が規定されている。例えば、ユーザからの広告中止要求や変更要求に応じるなど、適切なタイミングで適切な広告を提示するような事例が規定される。この事例マッチ条件は、if-thenルール内のif（条件）部分を意味する。具体的には、キーワード、発言履歴（以前に何の話題を発言したかなど）、問い返しの連鎖状況（問い返しの階層情報など）、ユーザ情報（好きなもの、嫌いなもの、など）、その他の各種項目についての条件を想定して規定されている。

【００４０】嗜好表現ルール辞書６４には、嗜好を表す情報が文字列情報に含まれているか否かを判断し、例えば、「○○が嫌い」「○○が好き」「○○が素敵」「○○がかっこいい」というユーザ入力にヒットしたら、内部的にそれを記憶する、という嗜好表現のルールが規定されている。この嗜好表現のルールに従って抽出された、文字列情報中に存在する嗜好情報は、その嗜好情報の対象（嗜好対象）と共に、ユーザ情報としてデータ格納部１６３（ユーザ情報記憶手段７）に格納される。

【００４１】この嗜好表現ルール辞書６４は独立してルールを格納することも可能であるが、本実施形態では、事例辞書６２の事例中に組み込まれている。すなわち、事例辞書６２に規定されている事例、if-thenルールのthen部分では、広告提示処理のほかに嗜好情報保持処理も記述されている。例えば、後述の図６（ｂ）に示したif-thenルールでは、「ｕｓｅｒ＿ｉｎｆｏｒｍａｔｉｏｎ「好きなもの：ノートパソコン」」との記述により嗜好情報保持処理が規定される。このように、ユーザ発言の中にユーザの嗜好を表す情報があれば、広告提供者側に有用な情報として保持しておく機能を持つ。

【００４２】関連語辞書６３には、特定の語に対する上位語、下位語、関連語、反対語などの関連語が格納されている。例えば、特定語「スノーボード」に対する上位

語として「スポーツ」が格納されている。これにより、例えば、ユーザAが「スノーボード」の話をしている場合、その上位語である「スポーツ」を含む話題であると、アクション決定手段3が判断し、スポーツ関連の広告をエージェントのアクションとして決定することが可能になる。具体的には、エージェントのアクションとして「Aさんの趣味は何ですか？」との問い合わせをユーザAに対してしたものとする。この場合に、ユーザAが「僕の趣味はスノーボードだよ」との回答があると、この発言に対応する文字情報を文字情報取得手段1が取得する。そして前処理手段2による前処理によりキーワード「スノーボード」が抽出される。そして、アクション決定手段3が「スノーボード」に対応する関連語「スポーツ」を関連語辞書63から検出し、さらに、抽出した「スポーツ」をキーワードとして事例辞書62から対応するアクションを決定する。例えば、提示手段4により、「へえ。スポーツが好きなんですね。」とのコメントを提示する。以後、ユーザからのリアクション「うん。まあね。」等の肯定的な回答の文字列情報の取得を条件として、「スポーツ用品」の広告、例えば、「スポーツするならやっぱりエシックスのランニングシューズがいいよね。」等の広告を提示手段4がエージェントの動作としてユーザに提示する。なお、本実施形態において、アクション決定手段3における、上記関連語辞書63の参照は、前処理手段2の前処理で得られる自立語（キーワード）に対してヒットする事例が事例辞書62に存在しない場合に参照される。

【００４３】図2に示した記憶媒体駆動装置17は、ＣＰＵ111が外部の記憶媒体からコンピュータプログラムや文書を含むデータ等を読み込むための駆動装置である。記憶媒体に記憶されているコンピュータプログラム等には、本実施形態の情報提示装置により実行される文字列情報取得処理、前処理、アクション決定処理、提示処理、課金処理、課金情報提示処理、広告取得処理等の各種処理プログラム及び、当該処理で使用されるデータや辞書も含まれる。ここで、記憶媒体とは、コンピュータプログラムやデータ等が記憶される記憶媒体をいい、具体的には、フロッピーディスク、ハードディスク、磁気テープ等の磁気記憶媒体、メモリチップやＩＣカード等の半導体記憶媒体、ＣＤ－ＲＯＭやＭＯ、ＰＤ（相変化書換型光ディスク）等の光学的に情報が読み取られる記憶媒体、紙カードや紙テープ等の用紙（及び、用紙に相当する機能を持った媒体でスキャナ読み取りと文字認識によりプログラム化が可能なもの）を用いた記憶媒体、その他各種方法でコンピュータプログラム等が記憶される記憶媒体が含まれる。本実施形態の情報提示装置において使用される記憶媒体としては、主として、ＣＤ－ＲＯＭやフロッピーディスク等の記憶媒体が使用される。記憶媒体駆動装置17は、これらの各種記憶媒体からコンピュータプログラムを読み込む他に、フロッピーディスクのような書き込み可能な記憶媒体に対してＲＡＭ113や記憶装置16に格納されているデータ等を書き込むことが可能である。

【００４４】なお、フロッピーディスクやメモリチップ、ＩＣカード等に格納されたユーザ発言の文字列情報を記憶媒体駆動装置17を介して読み込む場合、記憶媒体駆動装置17は文字列情報取得手段1として機能する。

【００４５】本実施形態の情報提示装置では、制御部11のＣＰＵ111が、記憶媒体駆動装置17にセットされた外部の記憶媒体からコンピュータプログラムを読み込んで、記憶装置16の各部に格納（インストール）する。そして、本実施形態による前処理、アクション決定処理等の情報提供処理、その他の処理を実行する場合、記憶装置16から該当プログラムをＲＡＭ113に読み込み、ＣＰＵ111で実行するようになっている。但し、記憶装置16からではなく、記憶媒体駆動装置17により外部の記憶媒体から直接ＲＡＭ113にプログラムを読み込んで実行することも可能である。また、情報提示装置によっては、本実施形態のデータ分析処理のための各プログラムを予めＲＯＭ112に記憶させておき、これをＣＰＵ111が実行するようにしてもよい。更に、本実施形態の情報提供処理のためのプログラム等の各種プログラムやデータを、通信制御装置18を介して他の記憶媒体からダウンロードし、実行するようにしてもよい。

【００４６】通信制御装置18は、情報提示装置と他のパーソナルコンピュータやワードプロセッサ等の各種外部電子機器との間をネットワーク接続するための制御装置である。通信制御装置18は、これら各種外部電子機器からこの通信制御装置18を介してのアクセスを可能にしており、外部電子機器からユーザ発言を入力することができる。この場合の通信制御装置18は、文字列情報取得手段1として機能する。また、通信制御装置18を介して広告提供者の外部電子機器から広告情報を取得して、広告情報辞書61を更新することができる。この場合の通信制御装置18は、広告取得手段5として機能する。アクション決定手段3で決定したアクション（問い返しや広告等）を通信制御装置18を介して外部電子機器に出力することが可能であり、この場合の通信制御装置18は、提示手段4として機能する。さらに、通信制御手段18は、課金情報提示手段9として機能し、広告提供者の外部電子機器に課金情報を送信するようになっている。

【００４７】入出力Ｉ／Ｆ19は、音声や音楽等の出力を行うスピーカ等の各種機器を接続するためのインターフェースである。文字認識装置20は、用紙等に記載された文字をテキスト形式やＨＴＭＬ等の各種形式で認識する装置であり、イメージスキャナや文字認識プログラム等で構成されている。この文字認識装置20は、文字

情報取得手段1として機能する。音声認識装置21には音声を取り込む音声取り込み手段として機能する図示しないマイクが接続されており、このマイクから取り込んだ音声を認識してテキストデータに変換するようになっている。マイクから入力される音声による情報データを認識し文字列情報に変換する場合の音声認識装置21は、文字列情報取得手段1として機能する。

【0048】図4は、表示の情報提示装置の所有者と広告の提示を受けるユーザとが異なる場合のシステム構成を表したものである。この図4に示されるように、情報提示装置100はサーバとして機能し、クライアント装置40a，40b，…や、テレビ406、炊飯器40e，電子レンジ401等の家電製品、さらに携帯電話40g等の各種クライアント装置（電子機器）と、ネットワークとしてのインターネット30を介して接続されている。なお、各クライアント装置40は、インターネット30以外に、LAN（Local Area Network）等の各種ネットワークにより情報提示装置100と接続されていてもよい。このように、本実施形態の情報提示装置100をネットワーク上のサーバとして機能させることで、ユーザが使用するクライアント装置毎に各種データや辞書を保存、及び更新する必要がなくなる。また、広告情報辞書がネットワーク上にあり常時更新されているため、ユーザに対して常に最新の広告を提示することができる。また、情報提示装置100がネットワーク上のサーバとして機能しているため、webサイト上でのチャット部屋に、情報提示装置100の広告提示機能及び日常会話機能を組み込むことが可能になる。なお、クライアント装置40も情報提示装置として機能する場合、インターネット上のサーバとして機能する情報提示装置100から最新の広告情報をダウンロードすることができる。

【0049】以上のように構成された情報提示装置による処理動作について次に説明する。図5は、ユーザの疲れに関する発言を想定したドリンク剤の広告を提示する事例における、ユーザとエージェントとの会話例（a）、（b）と、この事例参照によるアクション決定手順を表すIf-thenルール（c）を表したものである。図5（a）、（b）に示すように、ユーザ（User）が「最近体の疲れがとれなくてね。」と発言すると、この発言に対応する文字列情報を文字列情報取得手段1が取得する。この文字列情報の取得は、ユーザがキーボードF12から入力する場合には入力データが文字列情報として取得され、マイクに向かって話している場合には、音声認識装置21で認識した音声に対応する文字列情報が取得される（以下同じ）。

【0050】次に、取得した文字列情報に対して前処理手段2が前処理を行い、文節情報を作成する。そして、アクション決定部は、作成した文節情報の各自立語と、事例辞書62の各事例の条件部分（If部分）を比較することで、キーワード（自立語）「疲れ」がヒットし、該当する事例のthen部分の規定から、「ドリンク剤（第1候補）」をアクションとして決定する。

【0051】この決定に基づいて、提示手段4は、第1候補のドリンク剤が何であるかを広告情報辞書61から辞書引きする（優先順位情報を参照する）。優先順位情報の第1候補が四共株式会社の「ログインJ」であれば、これに対するアクション内容を辞書引きし、その結果、提示手段4は、図5（a）、（b）に示すように、広告の文言「四共株式会社の「ログインJ」は、はりはり働くビジネスマンにおすすめ。」をエージェント（Agent）のアクションとしてユーザに提示する。この広告の提示は、文字情報取得手段1が音声に基づく音声認識結果から取得している場合には、出力手段のスピーカから合成音声が出力され、キーボード等からテキストデータとして取得している場合には、表示装置14の表示画面に表示する。

【0052】そして、このエージェントの広告（アクション）に対して、ユーザが、図5（a）に示すように「今、そんなの必要ないから…」との発言をした場合、この発言から抽出されるキーワード「必要ない」に基づいて、エージェントは「あっ、ごめんなさい、広告を中止します。」とのアクションをとる。なお、ユーザの発言からエージェントのアクション（提示手段による広告や応答の提示）までの処理は、上記「疲れ」に対するログインの広告提示までと同様に行われる。但し、図5（c）に規定されるように、アクション「あっ、ごめんなさい、広告を中止します。」は、事例中に規定されているため、提示手段4は、広告情報辞書61を参照することなく、規定内容のアクションをユーザに提示することになる。

【0053】一方、エージェントの広告（アクション）に対して、ユーザが、図5（b）に示すように「違うメーカの広告がみたい」との発言をした場合、この発言から抽出されるキーワード「違う」及び「メーカー」に基づいて、アクション決定手段3が事例辞書62のヒットした事例のthen部分の規定から、「ドリンク剤（第2候補）」をアクションとして決定する。そして、提示手段4は、第2候補のドリンク剤を広告情報辞書61から辞書引きし、第2候補が中間薬品の「ネオビタドリンク」であれば、これに対するアクション内容を辞書引きする。その結果、提示手段4は、図5（b）に示すように、広告の文言「では、中間薬品の「ネオビタドリンク」はいかがでしょう…」をエージェントのアクションとしてユーザに提示する。

【0054】図6は、ユーザのパソコンに関する発言を想定して広告を提示する事例を表したもので、ユーザとエージェントとの会話例（a）と、この事例参照によるアクション決定手順を表すIf-thenルール（b）を表したものである。図6（a）に示されるように、ユーザの

「そろそろこのパソコンも買い換え時かな。」との発言に対し、情報提示装置によるエージェントは、パソコンについての話題と判断し、「どんなパソコンがいいですか？デスクトップはどうでしょう？」というようにパソコンの広告提示を持ちかける。これに対してユーザが「デスクトップは大きいから要らない。それよりノートパソコンがいい。」と回答すると、エージェントは、デスクトップではなく、ノートパソコンの広告を出すべきと判断し、「ノートパソコンですね。」との問い合わせを行う。そして、ユーザが「うん。２０万円以内のが欲しい。」と反応した場合、エージェントは、広告を出すタイミングと判断し、「そんなあなたには、ＢＢＭのＴａｎｋＰａｄがおすすめ。こちらをご覧ください。」と広告を提示する。

【００５５】このような図６（ａ）に示したユーザ発言と対応を予め想定した場合の、事例（ｉｆ-ｔｈｅｎルール）が（ｂ）に示されている。この事例中のキーワード「デスクトップ＜批判的＞」における＜批判的＞の部分は、文脈情報中に付加された付加情報である。この付加情報は、特定のキーワードに対してユーザが肯定的な評価を下しているかどうかを、「買わない」「要らない」「嫌い」「余計」などの表現から前処理手段２が判断する。

【００５６】そして、図６（ａ）のように想定したユーザ発言が成立した場合（ｉｆ条件が成立した場合）、ユーザの嗜好としてデスクトップパソコンが嫌いで、ノートパソコンが好きであるという情報が得られるので、事例中に嗜好情報保持処理を指示する「ｕｓｅｒ＿ｉｎｆｏｒｍａｔｉｏｎ［好きなもの：ノートパソコン］」、「ｕｓｅｒ＿ｉｎｆｏｒｍａｔｉｏｎ［嫌いなもの：デスクトップパソコン］」規定が設けられている。

【００５７】図７は、情報提示装置を家電製品に組み込んだ場合のユーザとエージェントとのユーザ発言を想定した事例を表したものである。この情報提示装置の事例辞書には、エージェントがコマンド操作機能を実行するための事例が規定され、この事例に基づくコマンド操作機能が家電製品に組み込まれている。図７は、炊飯器に情報提示装置を組み込んだ場合の例である。図７に示されるように、ユーザの「明日の朝７時に食べられるようにして。」との発言に対して、アクション決定手段３は、事例辞書６２を参照して炊き上がり時間の予約コマンドを決定する。この予約コマンドにより、炊飯器の制御部は、指定された時間の朝７時に炊き上がるように予約設定（コマンド操作機能）を行う。そして、情報提示装置のアクション決定手段３は、事例に従って、「分かりました。固さはどうしますか？」との応答と問いかけを決定し、提示手段で提示する。

【００５８】これに対しユーザが「ちょっとやわらかめにして。」と回答すると、アクション決定手段３は、炊き上がりの固さの設定コマンドを決定する。この決定に基づいて炊飯器のコマンド操作機能は、固めに炊きあがるように設定する。そして、情報提示装置のアクション決定手段３は、事例に従って、「分かりました。ところでご飯のおかずは何にするの？」との応答と問いかけを決定し、提示手段で提示する。

【００５９】以下ユーザの想定する発言とエージェントの広告提示機能の繰り返しを説明すると、次のようになる。すなわち、図７に示されるように、ユーザ発言「まだ決めてないんだけど・・・」に対し、情報提示装置は「朝食には角美屋の「国産大豆納豆」はいかが？厳選された北海道産大豆を１００％使用しているんだって。もちろん遺伝子組み替え大豆は一切使ってないよ。」との広告をユーザに提示する。そして、ユーザが「それいいね。いくらするの？」と発言すると、情報提示装置は「４０ｇのパックが３つ入ってたったの１６０円だよ。」との広告提示（詳細情報の提示）を行う。さらに、ユーザの「それは給料日前の僕にはピックリだ！」との応答が想定され、以後同様にして、予め想定される各種ユーザ発言に応じた事例によって広告提示やコマンド操作などが次々と継続する。

【００６０】以上のような、「広告提示機能付き」の製品は、広告提示機能を搭載していない製品よりも安価で販売する、もしくは、「キャッシュバック機能」を付け広告提供者から得られた広告料をユーザに還元するようにしてもよい。

【００６１】図８は、情報提示装置をチャットに利用した場合の想定例を表したものである。すなわち、Ｗｅｂサイト上でのチャット部屋に、広告提示機能及び日常会話機能を組み込む事例が作成される。ユーザＡとユーザＡとのチャットの間に、３時になったことをシステムが感知して、情報提示装置が「Ａさん、Ｂさん。もう３時ですよ、今日のおやつは何にするの？」とのアクションを提示するように事例が規定される。

【００６２】このように、チャット部屋に人がいるのに一定時間発言がなかった場合、あるいは特定の時刻になった場合などに、エージェントから能動的に広告を提示するように事例を規定しておく。これにより、チャットの活性化、話題提供につながる。また、チャット部屋に誰もいないときにユーザが一人入ってきたときは、別のユーザが入ってくるまでの間、エージェントと日常会話ができるように事例を規定しておく。これにより、ユーザをチャット部屋に引き留めておくことができる。

【００６３】以上説明したように本実施形態によれば、次のような効果を得ることができる。

（１）ユーザに対して、適切なタイミングで適切な内容の広告を提示できるようになる。

（２）ユーザのより詳細な要求に応じて、異なる広告を提示できるようになる。

（３）広告内容についてのユーザの問い合せに対して、適切な応答ができるようになる。

（４）ユーザ発話中のキーワードから、それが何に関連

する話題なのかを判断して適切な広告を提示できるようになる。

【００６４】以上、本発明の情報提示装置、情報提示プログラム、及び情報提示方法における１実施形態について説明したが、本発明は説明した実施形態に限定されるものではなく、各請求項に記載した範囲において各種の変形を行うことが可能である。例えば、説明した実施形態では、If-then方式の処理を行うための事例が事例辞書６２に格納する場合について説明したが、他に、事例をIf-then方式のプログラムとしてアクション決定手段３用のアクション決定プログラムの中に組み込むようにしてもよい。

【００６５】また、説明した実施形態では、競合する広告が複数存在する場合のために、優先順位情報を広告情報辞書６１に格納するようにし、広告料が高いものから優先的に表示するようにしたが、広告料の低い広告が提示されなくなる可能性があるため、広告の提示回数をカウントし、このカウント数と広告料を考慮して、適切な回数だけ広告が表されるようにしてもよい。

【００６６】また、優先順位を設けず、「どんな味がいいですか」「どのようなドリンク剤が好みですか」のような問い合わせをIf-thenルールに記述することで、複数存在するドリンク剤や広告対象を最終的に決定するようにしてもよい。

【００６７】

【発明の効果】本発明によれば、ユーザに対して、より適切なタイミングでより適切な内容の広告を提示することができる。

【図面の簡単な説明】

【図１】図１は本発明の情報提示装置の一実施形態の構成であり、本発明の情報提示プログラムや該情報提示プログラムが記憶された記憶媒体の該プログラムが読みとられたコンピュータの構成を、概念的に表したものである。

【図２】図２は、このように構成された情報提示装置の、具体的なシステム構成を表したものである。この図２は、主として情報提示装置の所有者とユーザとが一致している場合の構成である。

【図３】図３は、辞書格納部６の格納内容を概念的に表したものである。

【図４】図４は、表示の情報提示装置の所有者と広告の提示を求めるユーザとが異なる場合のシステム構成を表したものである。

【図５】図５は、ユーザの疲れに関する発言を想定したドリンク剤の広告を提示する事例における、ユーザとエージェントとの会話例（ａ）、（ｂ）と、この事例参照によるアクション決定手順を表すIf-thenルール（ｃ）を表したものである。

【図６】図６は、ユーザのパソコンに関する発言を想定して広告を提示する事例を表したもので、ユーザとエージェントとの会話例（ａ）と、この事例参照によるアクション決定手順を表すIf-thenルール（ｂ）を表したものである。

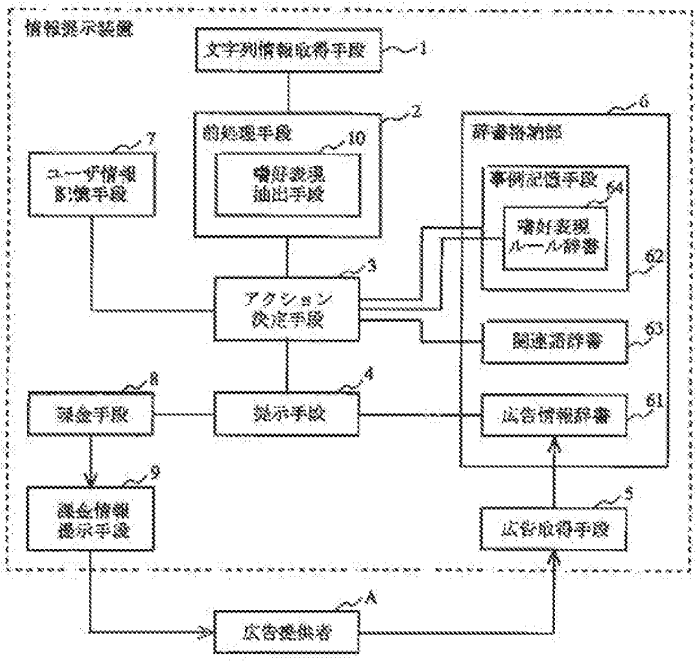
【図７】図７は、情報提示装置を家電製品に組み込んだ場合のユーザとエージェントとのユーザ発言を想定した事例を表したものである。

【図８】図８は、情報提示装置をチャットに利用した場合の想定図を表したものである。すなわち、Ｗｅｂサイト上でのチャット部屋に、広告提示機能及び自然言語機能を組み込む事例が作成される。

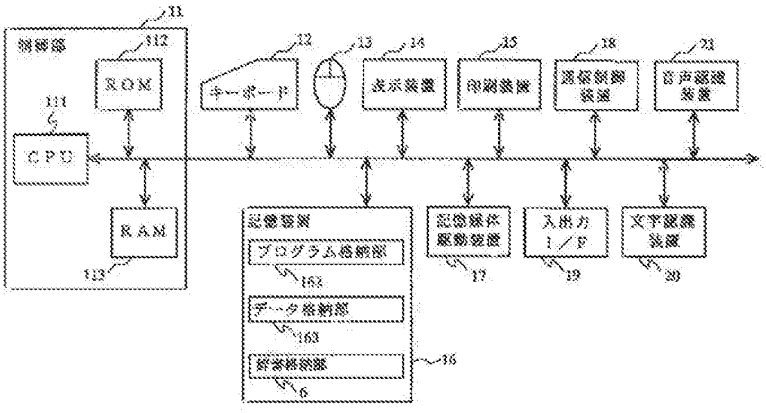
【符号の説明】

１　文字列情報取得手段
２　前処理手段
３　アクション決定手段
４　提示手段
５　広告取得手段
６　辞書格納部
７　ユーザ情報記憶手段
８　課金手段
９　課金情報提示手段
１０　嗜好表現抽出
６１　広告情報辞書
６２　事例記憶手段
６３　関連語辞書
６４　嗜好表現ルール辞書
１００　情報提示装置
３０　インターネット
４０ａ～４０ｃ　クライアント装置
４０ｄ　テレビ
４０ｅ　炊飯器
４０ｆ　電子レンジ４０
４０ｇ　携帯電話

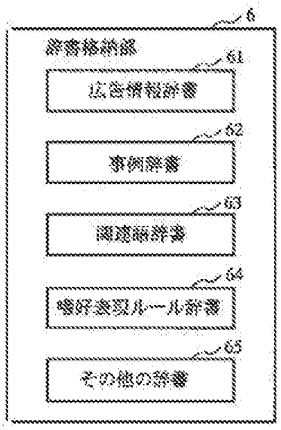
【図1】


情報提示装置
文字列情報取得手段
1
前処理手段
2
ユーザ情報
記憶手段
7
固有表現
抽出手段
10
評価情報
記憶手段
6
事例記憶手段
64
増対表現
ルール辞書
62
アクション
決定手段
3
関連語辞書
63
課金手段
8
提示手段
4
広告情報辞書
61
課金情報
提示手段
9
広告取得手段
5
広告提供者
A

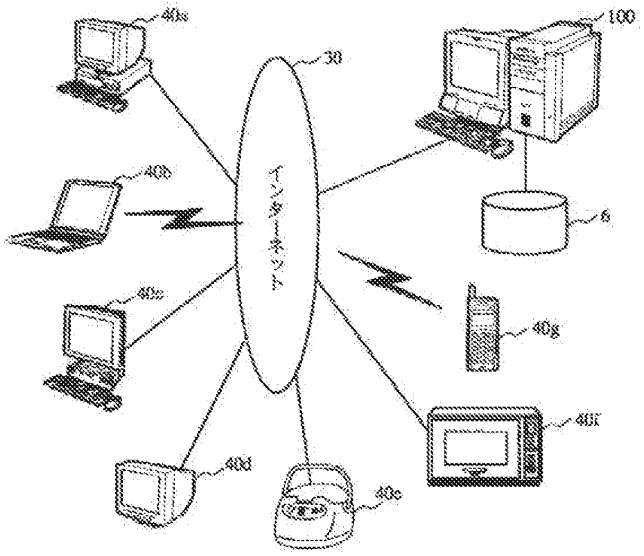
【図2】


制御部
11
ROM
112
CPU
111
RAM
113
キーボード
12
13
表示装置
14
印刷装置
15
通信制御
装置
18
音声認識
装置
21
記憶装置
プログラム格納部
161
データ格納部
163
評価格納部
6
16
記憶媒体
駆動装置
17
入出力
I/F
19
文字認識
装置
20

【図3】



【図4】



【図7】

例1：家電製品への組み込み

・家電製品で、（エージェントによるコマンド操作機能とともに）広告表示機能を組み込む

＊Ｕｓｅｒ・・・人間　Ａｇｅｎｔ・・・仮装機

Ｕｓｅｒ　：・明日の朝7時に食べられるようにして。
Ａｇｅｎｔ：分かりました。量さはどうしますか？
Ｕｓｅｒ　：もっとやわらかめにして。
Ａｇｅｎｔ：分かりました。ところでご飯のおかずは何にするの？
Ｕｓｅｒ　：まだ決めてないんだけど・・・
Ａｇｅｎｔ：当店には今美味の「国産大豆納豆」はいかが？
　　厳選された北海道産大豆を１００％使用しているんだって。
　　もちろん遺伝子組み替え大豆は一切使ってないよ。
Ｕｓｅｒ　：それいいね。いくらするの？
Ａｇｅｎｔ：４０ｇのパックが3つ入ってたったの１５０円だよ。
Ｕｓｅｒ　：それは絶好の朝の僕にはピッタリだ！

【図5】

<ユーザーとエージェントの会話例>

(a)

User　：最近体の疲れがとれなくてね。
Agent：岡本株式会社の「ログイン」はぴりぴり働くビジネスマンにおすすめ。
User　：今、そんなの必要ないから・・・
Agent：あっ、ごめんなさい、広告を中止します。

(b)

User　：最近体の疲れがとれなくてね。
Agent：岡本株式会社の「ログイン」はぴりぴり働くビジネスマンにおすすめ。
User　：違うメーカーの広告が出たい
Agent：では、中島製薬の「ネオビタドリンク」はどうでしょう・・・

<参照参照によるアクション状態予測を表すif-thenルール>

(c)

```
 ・・・・
 if (keyword[疲れ]) then
{
 advertise[ドリンク剤 (第1候補) ]
 if (keyword[必要ない]) then
{
    reply[あっ、ごめんなさい、広告を中止します。]
 }
 else if (keyword[違う] and keyword[メーカー]) then
 {
    advertise[ドリンク剤 (第2候補) ]
 }
 }
```

【図6】

<ユーザーとエージェントの対話例>

(a)

```
User  ：そろそろこのパソコンも買い換え時かな。
Agent：どんなパソコンがいいですか？デスクトップはどうでしょう？
User  ：デスクトップは大きいから嫌らない。それよりノートパソコンがいい。
Agent：ノートパソコンですね。
User  ：うん。２０万円以内の安いやつ。
Agent：そんなあなたには、ＨＤＭのＴａｎｋＰａｄがおすすめ。こちらをご覧ください
```

<事例参照によるアクション決定手順を表すｉｆ－ｔｈｅｎルール>

(b)

```
if(keyword [パソコン] and keyword [買い換える<肯定語，現在形or未来形>]
 {
   reply [どんなパソコンがいいですか？デスクトップはどうでしょう？]
   if(keyword [デスクトップ<否定的>] and keyword [ノート] ) then
   {
        user_information [好きなもの：ノートパソコン]
        user_information [嫌いなもの：デスクトップパソコン]
        reply [ノートパソコンですね。]
        if(keyword [<数値>円以内] and keyword [安い] ) then
        {
                        advertise [<数値>円以内のノートパソコン]
     }
        otherwise
        {
                        advertise [一般のノートパソコン]
        }
  }
}
```

＊他のキーワードに対してユーザーが肯定的な評価を下しているかどうかを、
「良わない」「要らない」「嫌い」「余計」などの表現から判断する。

【図８】

例２：チャットへの組み込み

・Ｗｅｂサイト上でのチャット画面に、広告等の情報及び会話情報を組み込む。

＊ＵｓｅｒＡ，ＵｓｅｒＢ・・・チャット参加者

ＵｓｅｒＡ：チャットもそろそろ飽きたしー。さっきから二人しかいないしー。

ＵｓｅｒＢ：うん。なんかだるーいよな。

広告　　：Ａさん、Ｂさん。もう３時ですよ、今日のおやつは何にするの？

　　おやつにはやっぱりローランのカルピさんがおすすめ。

　　上に「カルピ」の絵柄も押してあるし、後片付はカルピの缶そのままだよ。

ＵｓｅｒＢ：私はお菓なんだよ。

広告　　：あらお洒なんですね。お菓のあなたへのお薦しは「カンダーノまん」。

　　ホーヒークリームとミルククリームの絶妙なハーモニーがあなたをとろけさせます。

ＵｓｅｒＡ：あっ。そういえばこのあいだ食べたカンダーノまん美味かったよ。

ＵｓｅｒＢ：へえおまえも案はお菓だったんだ。

フロントページの続き

(51)Int.Cl.⁷	識別記号	Ｆ１		(参考)
Ｇ０６Ｆ　17/60	３２６	Ｇ０６Ｆ　17/60	３２６	
Ｇ０９Ｆ　19/00		Ｇ０９Ｆ　19/00	Ｚ	

Ｆターム(参考)　5B075 ND20 NK32 NK35 PN02 PP03
PP07 PQ02 PQ03 PR03 QM05

Electronic Patent Application Fee Transmittal

Application Number:	16553553
Filing Date:	28-Aug-2019
Title of Invention:	VOICE COMMERCE
First Named Inventor/Applicant Name:	Michael R. KENNEWICK
Filer:	Timothy P. Cremen/Susan Trader
Attorney Docket Number:	62KC-301480

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
RCE- 1ST REQUEST	1801	1	1360	1360
		Total in USD ($)		**1360**

Electronic Acknowledgement Receipt	
EFS ID:	42197266
Application Number:	16553553
International Application Number:	
Confirmation Number:	1643
Title of Invention:	VOICE COMMERCE
First Named Inventor/Applicant Name:	Michael R. KENNEWICK
Customer Number:	133759
Filer:	Timothy P. Cremen/Susan Trader
Filer Authorized By:	Timothy P. Cremen
Attorney Docket Number:	62KC-301480
Receipt Date:	16-MAR-2021
Filing Date:	28-AUG-2019
Time Stamp:	16:49:29
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1360
RAM confirmation Number	E20213FG49483579
Deposit Account	504561
Authorized User	Susan Trader
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	62KC-301480_RCE.pdf	87799 a716907f9d8704f836ef9f51dc6c0a4b5d3744bd	no	3
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
2	Transmittal Letter	62KC-301480_Transmittal-Letter.pdf	501667 ff08762ee14d54bc687fb302b1b4a62354a1bb31	no	1
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Form (SB08)	62KC-301480_PTO_IDS-Form.pdf	1054334 ada2309786a5323769694938b60aa1d3c3213189	no	6
Warnings:					
Information:					
4	Foreign Reference	Foreign-001.pdf	3618298 fa7e9caaca502f0dff35c27840ea7234a31aca2c	no	50
Warnings:					
Information:					
5	Non Patent Literature	NPL-001.pdf	242202 58f9497517dc9bf2482e6ca5f473b341f4cd0ee3	no	24
Warnings:					
Information:					
6	Non Patent Literature	NPL-002.pdf	277652 a4d4f9efa3f94e0572f861851a1c6144c58b38ba	no	22
Warnings:					

Information:					
7	Non Patent Literature	NPL-003.pdf	370508 4cb89150a4b2455ca68e9ea3172b65889f01121d	no	37
Warnings:					
Information:					
8	Non Patent Literature	NPL-004.pdf	352272 977a6ef6fc3f72275284b383acfa566e1c93ca7d	no	29
Warnings:					
Information:					
9	Non Patent Literature	NPL-005.pdf	435228 8fa66f3c5fb29bfc54e50e16ca10156ed3d10bf1	no	28
Warnings:					
Information:					
10	Non Patent Literature	NPL-006.pdf	439727 9fa452697dbebe0e077594b67a3aa2a129e31071	no	29
Warnings:					
Information:					
11	Non Patent Literature	NPL-007.pdf	341356 3924ca018202a05625093fd327f28cded89fc9b1	no	25
Warnings:					
Information:					
12	Non Patent Literature	NPL-008.pdf	327412 ed9cbf7c318bff03eff4749d30a5097247d20ffa	no	27
Warnings:					
Information:					
13	Non Patent Literature	NPL-009.pdf	1138145 25fc5f58865adb9cf60c5e42f7c2d739b32bd695	no	5
Warnings:					
Information:					

14	Non Patent Literature	NPL-010_part_1.pdf	3619151 133ccf1abb4e105267c2c1ec24ca88e39983fdac	no	30
Warnings:					
Information:					
15	Non Patent Literature	NPL-010_part_2.pdf	8924099 100b8584eb72a8ccd610a8d4b27a509af12185b8	no	59
Warnings:					
Information:					
16	Non Patent Literature	NPL-010_part_3.pdf	9953000 d83d8edee2f520d7c5af72851bd3557f968e68dd3	no	73
Warnings:					
Information:					
17	Non Patent Literature	NPL-010_part_4.pdf	10225540 7820f72a99ea3396f8c61099d48736b8c8e7b801	no	76
Warnings:					
Information:					
18	Non Patent Literature	NPL-010_part_5.pdf	10094818 e3512ffa605406c661827b88e49df77771a35d57	no	91
Warnings:					
Information:					
19	Non Patent Literature	NPL-010_part_6.pdf	10130536 79f5e8b6755868c8ee9cb263a21351384df9a91c	no	77
Warnings:					
Information:					
20	Non Patent Literature	NPL-010_part_7.pdf	9798353 bf020dcf760f60ebc490b6b027f6f22a301313d4	no	67
Warnings:					
Information:					

21	Non Patent Literature	NPL-010_part_8.pdf	5327513 8e41854b76834d7fcf7bcb18eebab1b9eacb9227	no	35
Warnings:					
Information:					
22	Non Patent Literature	NPL-010_part_9.pdf	10005785 28e0680face6212d8cb120206ddc1334f6df6081	no	75
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Information:					
23	Non Patent Literature	NPL-010_part_10.pdf	9972164 3b886aeb42c77167a61f7c8818286b70d4d09290	no	67
Warnings:					
Information:					
24	Non Patent Literature	NPL-010_part_11.pdf	9987574 03a818a793abcab9965c75efd58a7d1920d4dad7	no	68
Warnings:					
Information:					
25	Non Patent Literature	NPL-010_part_12.pdf	9795244 057647cd4899ad44fa4ec71aa1925d30c297c93e	no	60
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Information:					
26	Non Patent Literature	NPL-010_part_13.pdf	9722403 48be39d6286f1337e99d1528924f127775cb58ca	no	64
Warnings:					
Information:					
27	Non Patent Literature	NPL-010_part_14.pdf	9904494 2869010ddd25cdd200896cacdc954cd6b3f86762	no	65
Warnings:					
Information:					

28	Non Patent Literature	NPL-010_part_15.pdf	10415817 a346a48dad673e466895c08bfb1f7fc64b491231	no	63
Warnings:					
Information:					
29	Non Patent Literature	NPL-010_part_16.pdf	6077118 51cd7967a15785c26579f3051a06687f95c1a993	no	40
Warnings:					
Information:					
30	Non Patent Literature	NPL-011.pdf	186681 987ad53add7453957af3326219625d4393fd7f99	no	3
Warnings:					
Information:					
31	Non Patent Literature	NPL-012.pdf	231453 b38f49a0bbf898b9556b8e58b040f192714a3de8	no	3
Warnings:					
Information:					
32	Non Patent Literature	NPL-013.pdf	505702 aafeeba5534ae743cb8ad18e578823a8df35b90c	no	8
Warnings:					
Information:					
33	Fee Worksheet (SB06)	fee-info.pdf	30344 f9877ffec4a80d295d5698a22c751ffa42d1731c	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	154094389		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/30EFS (02-15)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	16553553	Filing Date	2019-08-28	Docket Number (if applicable)	62KC-301480	Art Unit	3625
First Named Inventor	Michael R. KENNEWICK			Examiner Name	Mila Airapetian		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

☐ Other _____

☒ Enclosed

☐ Amendment/Reply

☒ Information Disclosure Statement (IDS)

☐ Affidavit(s)/ Declaration(s)

☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
(Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

☒ The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 504561

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (02-15)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/Timothy P. Cremen/	Date (YYYY-MM-DD)	2021-03-16
Name	Timothy P. Cremen	Registration Number	50855

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		
	Application Number	16/553,553
	Filing Date	08/28/2019
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	3625
Page 1 of 1	**Matter Number**	62KC-301480

GENERAL

Pursuant to 37 C.F.R. 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed herewith. A copy of each listed reference, other than U.S. patents/applications and references cited in a parent application, is enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

TIMING

In accordance with 37 CFR 1.97(b), this Information Disclosure Statement is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

CERTIFICATION STATEMENT

No certification statement is required. This Information Disclosure Statement is being filed in accordance with 37 CFR 1.97(b).

FEE

No fee is required. This Information Disclosure Statement is being filed in accordance with 37 CFR 1.97(b).

ADDITIONAL COMMENTS

SIGNATURE

Signature	/ Timothy P. Cremen /	**Date**	2021-03-16
Name	Timothy P. Cremen	**Registration Number**	50,855

SyncIDS.com

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/553,553	08/28/2019	Michael R. KENNEWICK Sr.	62KC-301480	1643

133759 7590 02/01/2021

Sheppard Mullin Richter & Hampton LLP
650 Town Center Drive, 10th Floor
Costa Mesa, CA 92626

EXAMINER	
AIRAPETIAN, MILA	

ART UNIT	PAPER NUMBER
3625	

NOTIFICATION DATE	DELIVERY MODE
02/01/2021	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

SheppardMullin_Pair@firsttofile.com
dmipdocketing@sheppardmullin.com

Supplemental ***Notice of Allowability***	**Application No.** 16/553,553	**Applicant(s)** KENNEWICK, Michael R.	
	Examiner MILA AIRAPETIAN	**Art Unit** 3625	**AIA (FITF) Status** Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to Printer Rush 01/13/2021.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 1-40 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/MILA AIRAPETIAN/
Primary Examiner, Art Unit 3625

Amazon/VB Assets
Exhibit 1003
Page 240

REASONS FOR ALLOWANCE

The Reasons for Allowance are the same as submitted in the Notice of Allowance mailed on 12/21/2020.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MILA AIRAPETIAN whose telephone number is (571)272-3202. The examiner can normally be reached on Monday-Friday 8:30 am-6:00 pm.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Smith can be reached on (571) 272-6763. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see https://ppair-my.uspto.gov/pair/PrivatePair. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MILA AIRAPETIAN/
Primary Examiner, Art Unit 3625

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	**Art Unit**
	MILA AIRAPETIAN	3625

CPC								
Symbol							**Type**	**Version**
G06Q	/	30	/	0635			F	2013-01-01
G06Q	/	30	/	0601			I	2013-01-01
G10L	/	15	/	22			I	2013-01-01
G06Q	/	30	/	0625			I	2013-01-01
G10L	/	15	/	1815			I	2013-01-01
G10L	/	15	/	18			A	2013-01-01
G10L	/	2015	/	223			A	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	40	
/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625	23 January 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20210123

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	**Art Unit**
	MILA AIRAPETIAN	3625

INTERNATIONAL CLASSIFICATION					
CLAIMED					
G06Q	/	30	/	00	
NON-CLAIMED					
	/		/		

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
705	26.1

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	40	
/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625	23 January 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

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	16/553,553	KENNEWICK, Michael R.
	Examiner	**Art Unit**
	MILA AIRAPETIAN	3625

☑ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	40	
/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625	23 January 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20210123

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	Art Unit
	MILA AIRAPETIAN	3625

CPC - Searched*		
Symbol	**Date**	**Examiner**
G06Q/all subclasses	08/19/2020	MA

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
705	all subclasses	08/19/2020	MA

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	**Date**	**Examiner**
IPR2020-01380 Reviewed Petition for Inter Partes Review of U.S. Patent No. 9,626,703	MM/DD/YYYY	MA
IPR2020-01381 Reviewed Petition for Inter Partes Review of U.S. Patent No. 9,626,703	MM/DD/YYYY	MA
Keyterm search in EAST	08/19/2020	MA
NPL Search in PROQUEST	08/19/2020	MA
Search updated	12/08/2020	MA

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
705/G06Q30	26.1/06	12/08/2020	MA

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	Art Unit
	MILA AIRAPETIAN	3625

	/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625

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Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	TBD 16553553
Filing Date	2019-08-28
First Named Inventor	Michael R. KENNEWICK, Sr.
Art Unit	TBD
Examiner Name	TBD
Attorney Docket Number	62KC-301480

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	22	5499289		1996-03-12	Bruno	
	23	5500920		1996-03-19	Kupiec	
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	37	5634086		1997-05-27	Rtischev	
	38	5652570		1997-07-29	Lepkofker	
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	40	5696965		1997-12-09	Dedrick	
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	44	5740256		1998-04-14	CastelloDaCosta	
	45	5742763		1998-04-21	Jones	
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	66	5878386		1999-03-02	Coughlin	
	67	5892813		1999-04-06	Morin	
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	70	5895466		1999-04-20	Goldberg	
	71	5897613		1999-04-27	Chan	
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	77	5926784		1999-07-20	Richardson	
	78	5933822		1999-08-03	Braden-Harder	
	79	5950167		1999-09-07	Yaker	
	80	5953393		1999-09-14	Culbreth	
	81	5960384		1999-09-28	Douglas E. Brash	
	82	5960397		1999-09-28	Rahim	
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	88	5983190		1999-11-09	TrowerII	
	89	5987404		1999-11-16	DellaPietra	
	90	5991721		1999-11-23	Asano	
	91	5995119		1999-11-30	Cosatto	
	92	5995928		1999-11-30	Nguyen	
	93	5995943		1999-11-30	Bull	
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	100	6044347		2000-03-28	Abella	
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	132	6208972		2001-03-27	Grant	
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	134	6219643		2001-04-17	Cohen	
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	186	6434524		2002-08-13	Weber	
	187	6434529		2002-08-13	Walker	
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	197	6487494		2002-11-26	Odinak	
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See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Mark A. Patrick/	Date (YYYY-MM-DD)	2019-08-28
Name/Print	Mark A. Patrick	Registration Number	72,958

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	3	20030046346		2003-03-06	Mumick	
	4	20030064709		2003-04-03	Gailey	
	5	20030065427		2003-04-03	Funk	

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	6	20030069734		2003-04-10	Everhart	
	7	20030069880		2003-04-10	Tom Harrison	
	8	20030088421		2003-05-08	Maes	
	9	20030093419		2003-05-15	Srinivas Bangalore	
	10	20030097249		2003-05-22	Walker	
	11	20030110037		2003-06-12	Walker	
	12	20030112267		2003-06-19	Bellrose	
	13	20030115062		2003-06-19	Walker	
	14	20030120493		2003-06-26	Gupta	
	15	20030135488		2003-07-17	Amir	
	16	20030144846		2003-07-31	Denenberg	

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	17	20030158731		2003-08-21	Falcon	
	18	20030161448		2003-08-28	Parolkar	
	19	20030167167		2003-09-04	Li Gong	
	20	20030174155		2003-09-18	Jie Weng	
	21	20030182132		2003-09-25	Niemoeller	
	22	20030187643		2003-10-02	VanThong	
	23	20030204492		2003-10-30	Wolf	
	24	20030206640		2003-11-06	Malvar	
	25	20030212550		2003-11-13	Ubale	
	26	20030212558		2003-11-13	Matula	
	27	20030212562		2003-11-13	Patel	

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	28	20030225825		2003-12-04	Healey	
	29	20030233230		2003-12-18	Egbert Ammicht	
	30	20030236664		2003-12-25	Sharma	
	31	20040006475		2004-01-08	Ehlen	
	32	20040010358		2004-01-15	Oesterling	
	33	20040025115		2004-02-05	Sienel	
	34	20040030741		2004-02-12	Wolton	
	35	20040036601		2004-02-26	Obradovich	
	36	20040044516		2004-03-04	Kennewick	
	37	20040093567		2004-05-13	Yves Schabes	
	38	20040098245		2004-05-20	Walker	

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	39	20040102977		2004-05-27	METZLER BENJAMIN T	
	40	20040117179		2004-06-17	Balasuriya	
	41	20040117804		2004-06-17	Scahill	
	42	20040122673		2004-06-24	Joon-Ah Park	
	43	20040122674		2004-06-24	Bangalore	
	44	20040133793		2004-07-08	Ginter	
	45	20040140989		2004-07-22	Papageorge	
	46	20040143440		2004-07-22	Venkatesh Prasad	
	47	20040148154		2004-07-29	Alejandro Acero	
	48	20040148170		2004-07-29	Alejandro Acero	
	49	20040158555		2004-08-12	Seedman	

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	50	20040166832		2004-08-26	Portman	
	51	20040167771		2004-08-26	Duan	
	52	20040172247		2004-09-02	Yoon	
	53	20040172258		2004-09-02	Dominach	
	54	20040189697		2004-09-30	Toshiyuki Fukuoka	
	55	20040193408		2004-09-30	Hunt	
	56	20040193420		2004-09-30	Kennewick	
	57	20040199375		2004-10-07	Ehsani	
	58	20040199389		2004-10-07	GEIGER HANS	
	59	20040201607		2004-10-14	Joseph Mulvey	
	60	20040204939		2004-10-14	LIU DABEN	

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	61	20040205671		2004-10-14	Sukehiro	
	62	20040220800		2004-11-04	KONG DONG-GEON	
	63	20040243393		2004-12-02	Kuansan Wang	
	64	20040243417		2004-12-02	Pitts	
	65	20040247092		2004-12-09	Timmins	
	66	20040249636		2004-12-09	Ted Applebaum	
	67	20050015256		2005-01-20	Kargman	
	68	20050021331		2005-01-27	Huang	
	69	20050021334		2005-01-27	Iwahashi	
	70	20050021470		2005-01-27	Martin	
	71	20050021826		2005-01-27	Kumar	

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	72	20050033574		2005-02-10	Kim	
	73	20050033582		2005-02-10	Gadd	
	74	20050043940		2005-02-24	Elder	
	75	20050060142		2005-03-17	VISSER ERIK	
	76	20050080632		2005-04-14	Endo	
	77	20050080821		2005-04-14	BREIL PETER D	
	78	20050102282		2005-05-12	Greg Linden	
	79	20050114116		2005-05-26	Fiedler	
	80	20050125232		2005-06-09	Gadd	
	81	20050131673		2005-06-16	Koizumi	
	82	20050137850		2005-06-23	Odell	

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	83	20050137877		2005-06-23	Oesterling	
	84	20050138168		2005-06-23	HOFFMAN PHILIP M	
	85	20050143994		2005-06-30	Mori	
	86	20050144013		2005-06-30	Fujimoto	
	87	20050144187		2005-06-30	Che	
	88	20050149319		2005-07-07	Honda	
	89	20050169441		2005-08-04	YACOUB SHERIF	
	90	20050216254		2005-09-29	Gupta	
	91	20050222763		2005-10-06	Robert Uyeki	
	92	20050234637		2005-10-20	Michael Obradovich	
	93	20050234727		2005-10-20	Chiu	

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	94	20050246174		2005-11-03	DeGolia	
	95	20050283364		2005-12-22	Longe	
	96	20050283532		2005-12-22	Doo Kim	
	97	20050283752		2005-12-22	Fruchter	
	98	20060041431		2006-02-23	Maes	
	99	20060046740		2006-03-02	Karen Johnson	
	100	20060047509		2006-03-02	Ding	
	101	20060072738		2006-04-06	Louis	
	102	20060074670		2006-04-06	Fuliang Weng	
	103	20060074671		2006-04-06	Farmaner	
	104	20060080098		2006-04-13	Nick Campbell	

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	105	20060100851		2006-05-11	Schonebeck	
	106	20060106769		2006-05-18	Kevin Gibbs	
	107	20060129409		2006-06-15	Kenji Mizutani	
	108	20060130002		2006-06-15	Sadahiro Hirayama	
	109	20060149633		2006-07-06	VOISIN CRAIG D	
	110	20060182085		2006-08-17	Sweeney	
	111	20060206310		2006-09-14	Ravikumar	
	112	20060217133		2006-09-28	Christenson	
	113	20060236343		2006-10-19	Hisao Chang	
	114	20060242017		2006-10-26	Libes	
	115	20060253247		2006-11-09	Andrew de Silva	

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	116	20060253281		2006-11-09	Letzt	
	117	20060285662		2006-12-21	Yin	
	118	20070011159		2007-01-11	W. Daniel Hillis	
	119	20070033005		2007-02-08	Di Cristo	
	120	20070033020		2007-02-08	Francois	
	121	20070033526		2007-02-08	William Thompson	
	122	20070038436		2007-02-15	Cristo	
	123	20070038445		2007-02-15	Helbing	
	124	20070043569		2007-02-22	Potter	
	125	20070043574		2007-02-22	Coffman	
	126	20070043868		2007-02-22	Kumar	

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	127	20070050191		2007-03-01	Weider	
	128	20070050279		2007-03-01	Qingfeng Huang	
	129	20070055525		2007-03-08	Kennewick	
	130	20070060114		2007-03-15	RAMER JOREY	
	131	20070061067		2007-03-15	Zeinstra	
	132	20070061735		2007-03-15	Hoffberg	
	133	20070067310		2007-03-22	GUPTA PUNEET	
	134	20070073544		2007-03-29	Millett	
	135	20070078708		2007-04-05	Yu	
	136	20070078709		2007-04-05	Rajaram	
	137	20070078814		2007-04-05	Flowers	

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	138	20070094003		2007-04-26	Huang	
	139	20070100797		2007-05-03	Christopher Thun	
	140	20070106499		2007-05-10	DAHLGREN KATHLEEN	
	141	20070112555		2007-05-17	Lavi	
	142	20070112630		2007-05-17	Lau	
	143	20070118357		2007-05-24	Kasravi	
	144	20070124057		2007-05-31	Prieto	
	145	20070135101		2007-06-14	Ramati	
	146	20070146833		2007-06-28	Satomi	
	147	20070162296		2007-07-12	Altberg	
	148	20070174258		2007-07-26	Jones	

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	149	20070179778		2007-08-02	Gong	
	150	20070185859		2007-08-09	Flowers	
	151	20070186165		2007-08-09	Maislos	
	152	20070192309		2007-08-16	Fischer	
	153	20070198267		2007-08-23	Jones	
	154	20070203699		2007-08-30	Hisayuki Nagashima	
	155	20070203736		2007-08-30	Ashton	
	156	20070208732		2007-09-06	Flowers	
	157	20070214182		2007-09-13	Rosenberg	
	158	20070250901		2007-10-25	McIntire	
	159	20070265850		2007-11-15	Kennewick	

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	160	20070266257		2007-11-15	Camaisa	
	161	20070276651		2007-11-29	Bliss	
	162	20070294615		2007-12-20	Saleel Sathe	
	163	20070299824		2007-12-27	Pan	
	164	20080014908		2008-01-17	Abraham Vasant	
	165	20080034032		2008-02-07	Healey	
	166	20080046311		2008-02-21	Shahine	
	167	20080059188		2008-03-06	Konopka	
	168	20080065386		2008-03-13	Cross	
	169	20080065389		2008-03-13	Cross	
	170	20080065390		2008-03-13	ATIVANICHAYAPHONG SOONTHORN	

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	171	20080086455		2008-04-10	Adrienne C. Meisels	
	172	20080091406		2008-04-17	Baldwin	
	173	20080103761		2008-05-01	Printz	
	174	20080103781		2008-05-01	Wasson	
	175	20080104071		2008-05-01	Pragada	
	176	20080109285		2008-05-08	Reuther	
	177	20080115163		2008-05-15	Gilboa	
	178	20080126091		2008-05-29	Jason W. Clark	
	179	20080126284		2008-05-29	FORBES SCOTT C	
	180	20080133215		2008-06-05	Sarukkai	
	181	20080140385		2008-06-12	Mahajan	

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	182	20080147396		2008-06-19	Wang	
	183	20080147410		2008-06-19	Odinak	
	184	20080147637		2008-06-19	Xin Li	
	185	20080154604		2008-06-26	Sathish	
	186	20080162471		2008-07-03	Bernard	
	187	20080177530		2008-07-24	Cross	
	188	20080184164		2008-07-31	Giuseppe Di Fabbrizio	
	189	20080189110		2008-08-07	Freeman	
	190	20080189187		2008-08-07	HAO BIAO	
	191	20080228496		2008-09-18	Dong Yu	
	192	20080235023		2008-09-25	Kennewick	

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	193	20080235027		2008-09-25	Cross	
	194	20080269958		2008-10-30	Dimitar Petrov Filev	
	195	20080270135		2008-10-30	GOEL VAIBHAVA	
	196	20080270224		2008-10-30	Eric A. Portman	
	197	20080294437		2008-11-27	Nakano	
	198	20080294994		2008-11-27	Kruger	
	199	20080306743		2008-12-11	Giuseppe Di Fabbrizio	
	200	20080319751		2008-12-25	Kennewick	
	201	20090006077		2009-01-01	Keaveney	
	202	20090006194		2009-01-01	Prashant Sridharan	
	203	20090018829		2009-01-15	Michael Kuperstein	

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	204	20090024476		2009-01-22	Baar	
	205	20090030686		2009-01-29	WENG FULIANG	
	206	20090052635		2009-02-26	Jones	
	207	20090055176		2009-02-26	HU JUNLING	
	208	20090067599		2009-03-12	Agarwal	
	209	20090076827		2009-03-19	Bulitta	
	210	20090106029		2009-04-23	DeLine	
	211	20090117885		2009-05-07	Roth	
	212	20090144131		2009-06-04	Chiu	
	213	20090144271		2009-06-04	Richardson	
	214	20090150156		2009-06-11	Kennewick	

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	215	20090157382		2009-06-18	BAR SHMUEL	
	216	20090164216		2009-06-25	Rathinavelu Chengalvarayan	
	217	20090171664		2009-07-02	Kennewick	
	218	20090171912		2009-07-02	NASH MICHAEL PATRICK	
	219	20090197582		2009-08-06	Robert C. Lewis	
	220	20090216540		2009-08-27	Tessel	
	221	20090248565		2009-10-01	Kai Chuang	
	222	20090248605		2009-10-01	Mitchell	
	223	20090259561		2009-10-15	Donald Robert Martin Boys	
	224	20090259646		2009-10-15	Fujita	
	225	20090265163		2009-10-22	Li	

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	226	20090271194		2009-10-29	Davis	
	227	20090273563		2009-11-05	Pryor	
	228	20090276700		2009-11-05	Anderson	
	229	20090287680		2009-11-19	Paek	
	230	20090299745		2009-12-03	Kennewick	
	231	20090299857		2009-12-03	Brubaker	
	232	20090304161		2009-12-10	Pettyjohn	
	233	20090307031		2009-12-10	Winkler	
	234	20090313026		2009-12-17	Coffman	
	235	20090319517		2009-12-24	Ramananthan V. Guha	
	236	20100023320		2010-01-28	Cristo	

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	237	20100023331		2010-01-28	DUTA NICOLAE	
	238	20100029261		2010-02-04	Mikkelsen	
	239	20100036967		2010-02-11	Caine	
	240	20100049501		2010-02-25	Kennewick	
	241	20100049514		2010-02-25	Kennewick	
	242	20100057443		2010-03-04	Cristo	
	243	20100063880		2010-03-11	Atsmon	
	244	20100064025		2010-03-11	Nelimarkka	
	245	20100094707		2010-04-15	Freer	
	246	20100138300		2010-06-03	R. Tyler Wallis	
	247	20100145700		2010-06-10	Kennewick	

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	248	20100185512		2010-07-22	Borger	
	249	20100191856		2010-07-29	GUPTA APURV	
	250	20100204986		2010-08-12	Kennewick	
	251	20100204994		2010-08-12	Kennewick	
	252	20100217604		2010-08-26	Baldwin	
	253	20100268536		2010-10-21	SUENDERMANN DAVID	
	254	20100286985		2010-11-11	Kennewick	
	255	20100299142		2010-11-25	Freeman	
	256	20100312547		2010-12-09	VAN OS MARCEL	
	257	20100312566		2010-12-09	Odinak	
	258	20100318357		2010-12-16	Anthony F. Istvan	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.A/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	TBD 16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	62KC-301480

	259	20100331064		2010-12-30	Michelstein	
	260	20110022393		2011-01-27	Waller	
	261	20110106527		2011-05-05	Chiu	
	262	20110112827		2011-05-12	Kennewick	
	263	20110112921		2011-05-12	Kennewick	
	264	20110119049		2011-05-19	Ylonen	
	265	20110131036		2011-06-02	DiCristo	
	266	20110131045		2011-06-02	Cristo	
	267	20110231182		2011-09-22	Weider	
	268	20110231188		2011-09-22	Kennewick	
	269	20110238409		2011-09-29	Jean-Marie Henri Daniel Larcheveque	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
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	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	62KC-301480

	270	20110307167		2011-12-15	Taschereau	
	271	20120022857		2012-01-26	Baldwin	
	272	20120041753		2012-02-16	Marc Dymetman	
	273	20120046935		2012-02-23	Nagao	
	274	20120101809		2012-04-26	Kennewick	
	275	20120101810		2012-04-26	Kennewick	
	276	20120109753		2012-05-03	Kennewick	
	277	20120150620		2012-06-14	Mandyam	
	278	20120150636		2012-06-14	Freeman	
	279	20120239498		2012-09-20	Ramer	
	280	20120240060		2012-09-20	Pennington	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
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	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	62KC-301480

	281	20120265528		2012-10-18	Thomas Robert Gruber	
	282	20120278073		2012-11-01	Weider	
	283	20130006734		2013-01-03	Ocko	
	284	20130054228		2013-02-28	Baldwin	
	285	20130060625		2013-03-07	Davis	
	286	20130080177		2013-03-28	Chen	
	287	20130211710		2013-08-15	Kennewick	
	288	20130253929		2013-09-26	Weider	
	289	20130254314		2013-09-26	Chow	
	290	20130297293		2013-11-07	Cristo	
	291	20130304473		2013-11-14	Baldwin	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.A/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
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	First Named Inventor	Michael R. KENNEWICK, Sr.
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	Examiner Name	TBD
	Attorney Docket Number	62KC-301480

	292	20130311324		2013-11-21	Stoll	
	293	20130332454		2013-12-12	Gunther Stuhec	
	294	20130339022		2013-12-19	Baldwin	
	295	20140006951		2014-01-02	Hunter	
	296	20140012577		2014-01-09	Freeman	
	297	20140025371		2014-01-23	Sunyoung Min	
	298	20140108013		2014-04-17	Cristo	
	299	20140136187		2014-05-15	WOLVERTON MICHAEL J	
	300	20140156278		2014-06-05	Kennewick	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	TBD 16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	62KC-301480

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Examiner Signature	/MILA AIRAPETIAN/	Date Considered	08/20/2020

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	TBD 16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	62KC-301480

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Mark A. Patrick/	Date (YYYY-MM-DD)	2019-08-28
Name/Print	Mark A. Patrick	Registration Number	72,958

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	46	((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer))	US-PGPUB; USPAT	OR	ON	2015/11/29 13:59
S3	34	((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer)) and (confirm$7 approv$3)	US-PGPUB; USPAT	OR	ON	2015/11/29 14:05
S4	26	((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer)) and (confirm$7 approv$3) and (ship$4 deliver$3) and (payment)	US-PGPUB; USPAT	OR	ON	2015/11/29 14:05
S19	23	("20020120674" | "20060122976" | "20070282703" | "20090006336" | "20090012418" | "20090287680" | "20090304161" | "20100061534" | "20100203770" | "20110106527" | "20110246330" | "20120203770" | "20120235865" | "5897622" | "6345239" | "6771766" | "6928417" | "7454368" | "7672931" | "7780081" | "7801570" | "8099289" | "8353452").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/11/29 15:36
S20	332	(G06Q30/06 G06Q30/0617 G06F17/2785 G06F17/3064).cpc. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2015/11/29 20:02
S21	159	(707/713 704/10 379/88.01 707/999 705/26.1).ccls. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2015/11/29 20:04
S22	1	"8849791" .pn.	US-PGPUB; USPAT	OR	ON	2015/11/29 20:09
S23	23	("20020120674" | "20060122976" | "20070282703" | "20090006336" | "20090012418" | "20090287680" | "20090304161" | "20100061534" | "20100203770" | "20110106527" | "20110246330" | "20120203770" | "20120235865" | "5897622" | "6345239" | "6771766" | "6928417" | "7454368" |	US-PGPUB; USPAT; USOCR	OR	ON	2015/11/29 20:10

		"7672931" | "7780081" | "7801570" | "8099289" | "8353452").PN.				
S24	0	("8849791").URPN.	USPAT	OR	ON	2015/11/29 20:10
S25	1	"7454368" .pn.	US-PGPUB; USPAT	OR	ON	2015/11/29 20:10
S26	9	("20040264663" | "20040267549" | "5974406" | "6687341" | "6714778" | "6778991" | "6816578" | "6865261" | "6891932").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/11/29 20:10
S27	2	("7454368").URPN.	USPAT	OR	ON	2015/11/29 20:10
S28	1	"7672931" .pn.	US-PGPUB; USPAT	OR	ON	2015/11/29 20:11
S29	18	("20020116377" | "20030037043" | "20030061054" | "20040162674" | "20050143999" | "20050171936" | "20050283369" | "20060116876" | "20060116987" | "20060282408" | "20060287985" | "20080222127" | "5991739" | "6615172" | "6650997" | "6999932" | "7027987" | "7228340").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/11/29 20:11
S30	28	("7672931").URPN.	USPAT	OR	ON	2015/11/29 20:11
S31	133	(((voice speech) near19 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer))	US-PGPUB; USPAT	OR	ON	2015/11/29 20:11
S32	132	S31 AND ((G06Q30/016 OR G06Q30/06 OR G06Q30/0601 OR G06Q30/02 OR G06Q20/10 OR G06Q20/102 OR G06Q30/0633 OR G06Q40/12 OR G06Q20/20 OR G06Q20/40 OR G06Q10/06 OR G06Q10/087 OR G06Q10/10 OR G06Q20/04 OR G06Q20/32 OR G06Q20/12 OR G06Q20/204 OR G06Q30/0207 OR G06Q30/0613 OR G06Q40/025 OR G06Q40/123 OR G06Q50/01 OR G06Q10/063112 OR G06Q20/02 OR G06Q20/0855 OR G06Q20/207 OR G06Q20/3223 OR G06Q20/3674 OR G06Q20/383 OR G06Q20/387 OR G06Q20/401 OR G06Q20/4016 OR G06Q20/403 OR G06Q30/01 OR G06Q30/012 OR G06Q30/0251 OR G06Q30/0639 OR G06Q40/00 OR G06Q40/02 OR G06Q40/04 OR G06Q50/188	US-PGPUB; USPAT	OR	ON	2015/11/29 20:12

		OR G06Q10/02 OR G06Q20/382 OR G06Q20/3821 OR G06Q20/3823 OR G06Q20/385 OR G06Q20/40145 OR G06Q20/405 OR G06Q20/425 OR G06Q30/00 OR G06Q30/0222 OR G06Q30/0617 OR G06Q30/0635 OR G06Q30/08 OR G06Q10/06312 OR G06Q10/08 OR G06Q10/0837 OR G06Q10/101 OR G06Q10/20 OR G06Q20/00 OR G06Q20/322 OR G06Q20/3274 OR G06Q20/3276 OR G06Q20/363 OR G06Q20/389 OR G06Q30/0212 OR G06Q30/0215 OR G06Q30/0225 OR G06Q30/0226 OR G06Q30/0238 OR G06Q30/0241 OR G06Q30/0242 OR G06Q30/0269 OR G06Q30/0271 OR G06Q30/0274 OR G06Q30/0277 OR G06Q30/0283 OR G06Q30/04 OR G06Q30/0609 OR G06Q30/0611 OR G06Q30/0623 OR G06Q30/0625 OR G06Q30/0631 OR G06Q30/0637 OR G06Q40/125 OR G06Q40/128 OR H04M3/523 OR H04M3/5166 OR H04M2203/252 OR H04M3/493 OR H04M3/5233 OR H04M3/4936 OR H04M3/5183 OR H04M3/5191 OR H04M15/00 OR H04M2201/38 OR H04M2201/40 OR H04M2201/42 OR H04M2201/54 OR H04M2203/1058 OR H04M2203/2038 OR H04M2203/408 OR H04M3/51 OR H04M3/5141 OR H04M7/0066 OR H04M7/0075 OR H04M15/68 OR H04M15/8038 OR H04M15/854 OR H04M17/00 OR H04M1/72522 OR H04M2201/60 OR H04M2215/0196 OR H04M2215/32 OR H04M2215/34 OR H04M2215/7442 OR H04M2215/8166 OR H04M3/5108 OR H04L67/10 OR H04L67/306 OR H04L51/00 OR H04L51/32 OR H04L63/08 OR H04L67/12 OR H04L12/1813 OR H04L63/083 OR H04L63/0876 OR H04L63/104 OR H04L65/403 OR H04L2209/56 OR H04L41/22 OR H04L63/0815 OR H04L63/0861 OR H04L67/02 OR H04L67/16 OR H04L67/303 OR H04L9/3226 OR H04L12/283 OR H04L12/2834 OR H04L12/2898 OR H04L12/586 OR H04L12/588 OR H04L43/0817 OR H04L63/18 OR H04L65/1073 OR H04L65/4084 OR H04L67/20 OR H04L67/22 OR H04L67/2838 OR G06F17/30256 OR G06F17/30259 OR G06F17/30646 OR G06F2221/2119 OR				

		G06F2221/2129 OR G06F17/2785 OR G06F17/30061 OR G06F17/30522 OR G06F17/3064 OR G06F17/30864 OR G06F21/32 OR G06F3/0482 OR G06F3/0484 OR G06F3/04842 OR G06F3/0485 OR G06F17/243 OR G06F17/30218 OR G06F17/30867 OR G06F17/30876 OR G06F17/30905 OR G06F17/30997 OR G06F8/51 OR G06F8/76 OR G08B13/19641 OR G08B13/19656 OR G08B13/19663 OR G08B13/19673 OR G08B13/1968 OR G08B13/196 OR H04W4/00 OR H04W4/206 OR H04W4/12 OR H04W4/14 OR H04W4/16 OR H04W8/265 OR H04W12/06 OR H04W12/12 OR H04W4/02 OR G06K9/00624 OR G06K2017/0067 OR G06K2019/06234 OR G06K9/627 OR A63F2300/205 OR G01C21/206 OR G01S19/46 OR G01S5/0036 OR G01S5/0054 OR G01S5/0081 OR G01S5/021 OR G01S5/0215 OR G01S5/0221 OR G01S5/14 OR G10L15/22 OR G10L13/00 OR G10L15/26 OR G10L15/30 OR H04N21/25841 OR H04N21/2662 OR H04N21/2668 OR H04N21/41422 OR H04N21/44222 OR H04N21/4788 OR H04N21/615 OR H04N21/632 OR H04N21/8126 OR H04N7/147).CPC.)				
S33	28	(utter$6 same (natural adj language) same ((determin$4 pars$3) near9 context)) and ((purchas$3 buy$3 transact$3) near19 (product merchandise good item))	US-PGPUB; USPAT	OR	ON	2016/05/10 12:25
S34	1	"20110112827".pn.	US-PGPUB; USPAT	OR	ON	2016/05/10 12:35
S35	46	(natural near4 language) same (deliver$3 near19 (address name)) same (product merchandise good item)	US-PGPUB; USPAT	OR	ON	2016/09/17 19:48
S36	46	((natural near4 language) same (deliver$3 near19 (address name)) same (product merchandise good item)) and (pars$3 recogni$7)	US-PGPUB; USPAT	OR	ON	2016/09/17 19:50
S37	27	((natural near4 language) same (deliver$3 near19 (address name)) same (product merchandise good item)) and ((word phrase) same (pars$3 recogni$7))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:50
S38	1	"20150032602".pn. and ((natural near9 language) same (pars$3 extract$3))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:54

S39	83	((natural near4 language) same (word phrase) same (pars$3 recogni$7)) and ((deliver$3 near19 (address name)) same (product merchandise good item))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:59
S40	43	((natural near4 language) same (word phrase) same (pars$3 recogni$7)) and ((deliver$3 near19 (address name)) same (purchas$3 near19 (product merchandise good item)))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:59
S41	197	S40 not3	US-PGPUB; USPAT	OR	ON	2016/09/17 20:00
S42	41	S40 not S37	US-PGPUB; USPAT	OR	ON	2016/09/17 20:00
S43	2	("5742845" | "6012098").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/09/17 20:06
S44	348	("6226675").URPN.	USPAT	OR	ON	2016/09/17 20:07
S45	1	"20020161647".pn.	US-PGPUB; USPAT	OR	ON	2016/09/17 20:08
S46	252	(access$3 near9 (address near2 book)) same (name address) same (deliver$3 ship$7)	US-PGPUB; USPAT	OR	ON	2016/09/17 20:39
S47	44	((access$3 near9 (address near2 book)) same (name same address) same (deliver$3 ship$7))	US-PGPUB; USPAT	OR	ON	2016/09/17 20:40
S48	28	((access$3 near9 (address near2 book)) same (name same address) same (deliver$3 ship$7)) and (voice language)	US-PGPUB; USPAT	OR	ON	2016/09/17 20:40
S49	18	((access$3 near9 (address near2 book)) same (name same address) same (deliver$3 ship$7)) and ((voice language) same (recogni$6 interpret$3 pars$3))	US-PGPUB; USPAT	OR	ON	2016/09/17 20:40
S50	1	"20090259561".pn.	US-PGPUB; USPAT	OR	ON	2016/09/17 20:44
S51	0	"20090259561".pn. and (natural near3 language)	US-PGPUB; USPAT	OR	ON	2016/09/17 20:48
S52	26	S48 AND ((H04L67/26 OR H04L12/581 OR H04L12/587 OR H04L2463/101 OR H04L29/06027 OR H04L51/04 OR H04L51/10 OR H04L51/24 OR H04L51/30 OR H04L51/32	US-PGPUB; USPAT	OR	ON	2016/09/17 21:01

		OR H04L51/34 OR H04L63/0236 OR H04L63/04 OR H04L63/0428 OR H04L63/0435 OR H04L63/0823 OR H04L63/083 OR H04L63/0861 OR H04L63/10 OR H04L65/1006 OR H04L65/103 OR H04L65/104 OR H04L65/1069 OR H04L65/4007 OR H04L67/02 OR H04L67/06 OR H04L67/14 OR H04L67/306 OR H04L67/32 OR H04L67/42 OR G06Q30/0261 OR G06Q30/0633 OR G06Q30/0635 OR G06Q30/0641 OR G06Q20/28 OR G06Q20/36 OR G06Q30/0621 OR G06Q20/105 OR G06Q20/227 OR G06Q20/363 OR G06Q20/405 OR G06Q30/0601 OR G06Q10/08 OR G06Q10/083 OR G06Q10/10 OR G06Q10/107 OR G06Q20/12 OR G06Q20/20 OR G06Q20/3226 OR G06Q20/3227 OR G06Q20/325 OR G06Q20/3276 OR G06Q20/3278 OR G06Q20/351 OR G06Q20/3552 OR G06Q20/425 OR G06Q30/02 OR G06Q30/0226 OR G06Q30/0251 OR G06Q30/0255 OR G06Q30/0256 OR G06Q30/0257 OR G06Q30/0277 OR G06Q30/06 OR G06Q30/0631 OR G06Q40/00 OR G06Q40/02 OR H04W4/001 OR H04W4/008 OR H04W4/02 OR H04W4/023 OR H04W4/026 OR H04W4/14 OR H04W4/206 OR G06F17/30244 OR G06F17/30575 OR G06F17/3089 OR G06F17/2235 OR G06F21/606 OR G06F2221/2107 OR G06K9/00087 OR G06K9/00221 OR G06K9/00228 OR G06K9/00617 OR G06K9/00926 OR H04B1/406).CPC.)				
S53	2	704/10.ccls. and (((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer)))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:53
S54	2	704/10.ccls. and (((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:53
S55	502	704/10.ccls. and (speech near9 recognition)	US-PGPUB; USPAT	OR	ON	2017/01/13 21:53
S56	57	704/10.ccls. and ((speech near9 recognition) and (buy$3 purchas$3))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54

S57	162	(707/713 704/10 379/88.01 707/999 705/26.1).ccls. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54
S58	158	(((voice speech) near19 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54
S59	156	S58 AND ((G06Q30/016 OR G06Q30/06 OR G06Q30/0601 OR G06Q30/02 OR G06Q20/10 OR G06Q20/102 OR G06Q30/0633 OR G06Q40/12 OR G06Q20/20 OR G06Q20/40 OR G06Q10/06 OR G06Q10/087 OR G06Q10/10 OR G06Q20/04 OR G06Q20/32 OR G06Q20/12 OR G06Q20/204 OR G06Q30/0207 OR G06Q30/0613 OR G06Q40/025 OR G06Q40/123 OR G06Q50/01 OR G06Q10/063112 OR G06Q20/02 OR G06Q20/0855 OR G06Q20/207 OR G06Q20/3223 OR G06Q20/3674 OR G06Q20/383 OR G06Q20/387 OR G06Q20/401 OR G06Q20/4016 OR G06Q20/403 OR G06Q30/01 OR G06Q30/012 OR G06Q30/0251 OR G06Q30/0639 OR G06Q40/00 OR G06Q40/02 OR G06Q40/04 OR G06Q50/188 OR G06Q10/02 OR G06Q20/382 OR G06Q20/3821 OR G06Q20/3823 OR G06Q20/385 OR G06Q20/40145 OR G06Q20/405 OR G06Q20/425 OR G06Q30/00 OR G06Q30/0222 OR G06Q30/0617 OR G06Q30/0635 OR G06Q30/08 OR G06Q10/06312 OR G06Q10/08 OR G06Q10/0837 OR G06Q10/101 OR G06Q10/20 OR G06Q20/00 OR G06Q20/322 OR G06Q20/3274 OR G06Q20/3276 OR G06Q20/363 OR G06Q20/389 OR G06Q30/0212 OR G06Q30/0215 OR G06Q30/0225 OR G06Q30/0226 OR G06Q30/0238 OR G06Q30/0241 OR G06Q30/0242 OR G06Q30/0269 OR G06Q30/0271 OR G06Q30/0274 OR G06Q30/0277 OR G06Q30/0283 OR G06Q30/04 OR G06Q30/0609 OR G06Q30/0611 OR G06Q30/0623 OR G06Q30/0625 OR G06Q30/0631 OR G06Q30/0637 OR G06Q40/125 OR G06Q40/128 OR H04M3/523 OR H04M3/5166 OR H04M2203/252 OR H04M3/493 OR H04M3/5233 OR H04M3/4936 OR H04M3/5183 OR H04M3/5191 OR	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54

		H04M15/00 OR H04M2201/38 OR H04M2201/40 OR H04M2201/42 OR H04M2201/54 OR H04M2203/1058 OR H04M2203/2038 OR H04M2203/408 OR H04M3/51 OR H04M3/5141 OR H04M7/0066 OR H04M7/0075 OR H04M15/68 OR H04M15/8038 OR H04M15/854 OR H04M17/00 OR H04M1/72522 OR H04M2201/60 OR H04M2215/0196 OR H04M2215/32 OR H04M2215/34 OR H04M2215/7442 OR H04M2215/8166 OR H04M3/5108 OR H04L67/10 OR H04L67/306 OR H04L51/00 OR H04L51/32 OR H04L63/08 OR H04L67/12 OR H04L12/1813 OR H04L63/083 OR H04L63/0876 OR H04L63/104 OR H04L65/403 OR H04L2209/56 OR H04L41/22 OR H04L63/0815 OR H04L63/0861 OR H04L67/02 OR H04L67/16 OR H04L67/303 OR H04L9/3226 OR H04L12/283 OR H04L12/2834 OR H04L12/2898 OR H04L12/586 OR H04L12/588 OR H04L43/0817 OR H04L63/18 OR H04L65/1073 OR H04L65/4084 OR H04L67/20 OR H04L67/22 OR H04L67/2838 OR G06F17/30256 OR G06F17/30259 OR G06F17/30646 OR G06F2221/2119 OR G06F2221/2129 OR G06F17/2785 OR G06F17/30061 OR G06F17/30522 OR G06F17/3064 OR G06F17/30864 OR G06F21/32 OR G06F3/0482 OR G06F3/0484 OR G06F3/04842 OR G06F3/0485 OR G06F17/243 OR G06F17/30218 OR G06F17/30867 OR G06F17/30876 OR G06F17/30905 OR G06F17/30997 OR G06F8/51 OR G06F8/76 OR G08B13/19641 OR G08B13/19656 OR G08B13/19663 OR G08B13/19673 OR G08B13/1968 OR G08B13/196 OR H04W4/00 OR H04W4/206 OR H04W4/12 OR H04W4/14 OR H04W4/16 OR H04W8/265 OR H04W12/06 OR H04W12/12 OR H04W4/02 OR G06K9/00624 OR G06K2017/0067 OR G06K2019/06234 OR G06K9/627 OR A63F2300/205 OR G01C21/206 OR G01S19/46 OR G01S5/0036 OR G01S5/0054 OR G01S5/0081 OR G01S5/021 OR G01S5/0215 OR G01S5/0221 OR G01S5/14 OR G10L15/22 OR G10L13/00 OR G10L15/26 OR G10L15/30 OR H04N21/25841 OR H04N21/2662 OR H04N21/2668 OR H04N21/41422 OR H04N21/44222 OR H04N21/4788 OR				

		H04N21/615 OR H04N21/632 OR H04N21/8126 OR H04N7/147).CPC.)				
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S61	2	("8849791").URPN.	USPAT	OR	ON	2017/01/13 21:55
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S64	1	"20170221134" .pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2018/12/10 10:42
S65	437	(G06Q30/06 G06Q30/0617 G06F17/2785 G06F17/3064).cpc. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2018/12/10 11:49
S66	285	(access$3 near9 (address near2 book)) same (name address) same (deliver$3 ship$7)	US-PGPUB; USPAT	OR	ON	2018/12/10 11:50
S67	20	((natural near9 language) same (speech near9 recogn$7) same (word phrase)) and (select$3 near9 (seller provider vendor vender merchant)) and ((complet$3 near9 purchas$3) same automatically)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:31
S68	30	((speech near9 recogn$7) same (word phrase)) and (select$3 near9 (seller provider vendor vender merchant)) and ((complet$3 near9 purchas$3) same automatically)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:34
S69	17	((speech near9 recogn$7) same (word phrase)) and (select$3 near9 (seller provider vendor vender merchant)) and ((complet$3	US-PGPUB; USPAT;	OR	ON	2019/05/30 17:34

		near9 purchas$3) same (without near3 input$4))	EPO; JPO			
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S71	3	("20140136187" | "7502730" | "9318108").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:37
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S73	9	("20080270135" | "20090030686" | "20090055176" | "20090157382" | "20090171912" | "20100023331" | "20100268536" | "20150066479" | "5331554").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:38
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S81	1,158	isaacson.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:48
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S83	57	S76 AND ((G06Q30/0261 OR G06Q30/02 OR G06Q30/0241 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0242 OR G06Q30/0273 OR G06Q30/0601 OR G06Q30/0257 OR G06Q10/10 OR G06Q10/109 OR G06Q10/1093 OR G06Q30/0256 OR G06Q30/0264 OR G06Q30/0277 OR G06Q30/0603 OR G06Q30/0635 OR G06Q50/01 OR G06Q10/00 OR G06Q10/025 OR G06Q10/0637 OR G06Q10/06393 OR G06Q10/20 OR G06Q30/0214 OR G06Q30/0239 OR G06Q30/0247 OR G06Q30/0255 OR G06Q30/0266 OR G06Q30/06 OR G06Q30/0625 OR G06Q30/0631 OR G06Q30/0641 OR G06Q30/08 OR G06Q50/12 OR G06Q50/20 OR G06Q50/22 OR G06Q50/30).CPC.)	US-PGPUB; USPAT	OR	ON	2019/05/30 18:00
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S85	800	("6119101").URPN.	USPAT	OR	ON	2019/05/30 18:01
S86	450	S79 and (natural near3 language)	US-PGPUB; USPAT;	OR	ON	2019/05/30 18:01

			EPO; JPO			
S87	31	S79 and (natural near3 language) and (buy$3 purchas$3) and (select$3 near19 (seller merchant provider vendor vender))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 18:02
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S98	945	S91 or S92 or S93 or S94 or S95 or S96 or S97	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 13:56
S99	236	S98 and ((natural near19 language) same (pars$3 utter$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 13:57
S100	0	S98 and ((natural near19 language) same (pars$3 utter$3)) and (confirm$8 approv$3) and (profile same ship$7 same pay$6)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 13:58
S101	61	S98 and ((natural near19 language) same (interpret$7 pars$3 utter$3)) and (confirm$8 approv$3) and (profile same (ship$7 pay$6))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 13:59
S102	7	S98 and ((natural near19 language) same (interpret$7 pars$3 utter$3)) and (profile same (ship$7 pay$6)) and ((confirm$8 approv$3) same (purchas$3 buy$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:07
S103	1	"20190385218" .pn.	US-PGPUB; USPAT;	OR	ON	2020/08/13 14:12

			EPO; JPO			
S104	3	("6,859,776" "8,078,502" "20040193420").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:52
S105	18	("20020022956" | "20030093419" | "20030174155" | "20040148154" | "20040148170" | "20070033526" | "20080126091" | "20080228496" | "20130332454" | "20150019211" | "20150193379" | "20150293917" | "20150348551" | "20160335676" | "8340975" | "8577671" | "9070366" | "9502025").PN.	US-PGPUB; USPAT	OR	ON	2020/08/13 14:53
S106	11	("20040189697" | "20060130002" | "20080147637" | "20090319517" | "20100138300" | "20140195238" | "5960384" | "7027974" | "8027965" | "8447651" | "8972243").PN.	US-PGPUB; USPAT	OR	ON	2020/08/13 14:53
S107	10	("20090164216" | "20120240060" | "20140278416" | "20160148610" | "20160148612" | "20160188292" | "20160188573" | "20160217785" | "9308445" | "9406078").PN.	US-PGPUB; USPAT	OR	ON	2020/08/13 14:54
S108	19	("20050144187" | "20050149319" | "20050283364" | "20060182085" | "20080046311" | "20080059188" | "20080103781" | "20080294994" | "20100331064" | "20140278413" | "20150019227" | "20160078482" | "20160078491" | "20160078773" | "20160110347" | "5983190" | "6871179" | "8103510" | "9305548").PN.	US-PGPUB; USPAT	OR	ON	2020/08/13 14:54
S109	207	("0000031" | "0000061" | "0000091" | "0000121" | "0000151" | "0000181" | "0000211" | "0000241" | "0000271" | "0000301" | "0000331" | "0000361" | "0000391" | "0000421" | "0000451" | "0000481" | "0000511" | "0000541" | "0000571" | "0000601" | "0000631" | "0000661" | "0000691" | "0000721" | "20010039492" | "20010041980" | "20010049601" | "20010054087" | "20020010584" | "20020015500" | "20020022927" | "20020029186" | "20020029261" | "20020032752" | "20020035501" | "20020040297" | "20020049535" | "20020049805" |	US-PGPUB; USPAT	OR	ON	2020/08/13 14:54

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S113	805	S105 or S106 or S107 or S108 or S110 or S111 or S112 or S109	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:55
S114	1	S113 and S104	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:55
S115	1	("200902655163" "20090304161").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 15:04
S116	2	("20090265163" "20090304161").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 15:05
S117	1	("20090265163" "20090304161").pn. and (buy$3 purchas$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 15:06
S118	3	("6,859,776" "8,078,502" "20040193420").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/18 15:10
S147	1	"8078502".pn.	US-PGPUB; USPAT;	OR	ON	2020/08/19 11:46

			EPO; JPO			
S148	0	"8078502".pn. and ((seller merchant provider retail$2) same database)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:50
S149	1	"8078502".pn. and ((seller merchant provider retail$2) same (product merchandise good item))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:50
S150	1	("20040193420").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:52
S151	1	("20040193420").pn. and ((seller provider merchant retailer) same database)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:52
S152	0	("20040193420").pn. and ((seller provider merchant retailer) same pric$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:57
S153	1	"8078502".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:09
S154	1	("6,859,776").pn. and database	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:21
S155	7	((predetermin$3 (pre near2 determin$3) pre-determin$3) same ((set list group) near9 (seller merchant provider retail)) same database same price) and ((natural near9 language) same (pars$3 interpret$3 voice utter$5))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:32
S156	12	((profile account) same ((set list group) near9 (seller merchant provider retail)) same database same price) and ((natural near9 language) same (pars$3 interpret$3 voice utter$5))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:49

S157	10	S156 not S155	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:49
S158	13	((profile account) same (seller merchant provider retail) same database same price) and ((natural near9 language) same (pars$3 interpret$3 voice utter$5)) and ((select$3 near19 (seller merchant provider retail)) same (based near9 price))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:57
S159	12	S158 not S157	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:58
S160	0	"7792709".pn. and (select$3 near19 seller)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 13:00
S161	1	"7792709".pn. and (select$3 near19 merchant)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 13:00
S162	1	"7792709".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 13:04
S163	1	"7792709".pn. and (database same stor$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 17:47
S164	0	((prefered near19 (seller merchant provider)) same profile) and (database near29 (seller merchant provider)) and ((select$3 near19 (seller merchant provider)) same (based near9 price))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 17:53
S165	272	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 (seller merchant provider)) and ((select$3 near19 (seller merchant provider)) same (based near9 price))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 17:53
S166	6	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 (seller merchant provider)) and ((select$3 near19	US-PGPUB; USPAT;	OR	ON	2020/08/19 17:54

		(seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	EPO; JPO			
S167	0	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 pric$3) and ((select$3 near19 (seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:42
S168	6	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 stor$3) and ((select$3 near19 (seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:42
S169	0	S168 not S166	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:42
S170	5	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 search$3) and ((select$3 near19 (seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:43
S171	5	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 search$3) and ((select$3 near19 (seller merchant provider)) same (low$5 near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:43
S172	0	S171 not S170	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:44
S173	27	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 search$3) and ((select$3 near19 (seller merchant provider)) same price) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:44
S174	22	S173 not S171	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:45

S175	1	"20090171760" .pn. and ((seller provider merchant) same profile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:51
S178	150	((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 pars$3)) and ((prefer$4 near9 (seller merchant provider)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:01
S179	14	((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 pars$3)) and (((prefer$4 near9 (seller merchant provider))) same select$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:01
S181	6,407	((select$3 near9 (seller provider merchant)) same pric$3) and ((set list) near9 (seller provider merchant)) and ((seller provider merchant) same (profile account))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:06
S182	22	((select$3 near9 (seller provider merchant)) same pric$3) and ((set list) near9 (seller provider merchant)) and ((seller provider merchant) same (profile account)) and ((natural near9 language) same voice same input$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:07
S183	49	((select$3 near9 (seller provider merchant)) same (low$5 near3 pric$3)) and ((set list) near9 (seller provider merchant)) and ((seller provider merchant) same (profile account)) and (natural near9 language)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:10
S184	44	S183 not S182	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:11
S185	1	"20140136259" .pn. and (consumer same provider same profile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:13
S186	1	"20140136259" .pn. and (consumer same (merchant provider) same profile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:14

S187	1	"20140136259" .pn. and (select$3 near9 (merchant provider))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:17
S188	7	(intended near9 recipient) same (address near9 book) same shipping same (access$3 obtain$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:27
S189	19	((gift present) same (intended near9 recipient)) and ((address near9 book) same shipping same (access$3 obtain$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:29
S190	36	(address near19 (intended near9 recipient)) and ((address near9 book) same shipping same (access$3 obtain$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:35
S191	17	S190 not S189	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:35
S192	0	"20140136259".pn. and (search$3 same (display$3 near9 result))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 21:29
S193	1	"20140136259".pn. and (search$3 near9 result)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 21:29
S194	1	"6859776".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 21:40
S195	157	((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 22:05
S196	142	S195 AND ((G06Q30/02 OR G06Q30/08 OR G06Q30/0247 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0273 OR G06Q30/0275 OR G06Q10/00 OR	US-PGPUB; USPAT;	OR	ON	2020/08/19 22:05

		G06Q30/0267 OR G06Q30/06 OR G06Q30/0631 OR G06Q30/0643 OR G06Q50/01 OR G06Q99/00 OR G06Q30/0255 OR G06Q30/0241 OR G06Q30/0261 OR G06Q30/0201 OR G06Q30/0246 OR G06Q30/0254 OR G06Q30/0256 OR G06Q10/087 OR G06Q30/00 OR G06Q30/0601 OR G06Q40/04 OR G06Q10/101 OR G06Q30/0271 OR G06Q30/0277).CPC.)	EPO; JPO			
S197	1	705/$7.ccls. and (((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 p)ars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 22:06
S198	592	(input$4 same (natural near4 language)) and (((buy$3 purchas$3 deliver$3) near19 (address name)) same (product merchandise good item)) and (pars$3 recogni$7) and (database same (product merchandise good item service))	US-PGPUB; USPAT	OR	ON	2020/12/08 16:42
S199	227	(input$4 same (natural near4 language)) and (((buy$3 purchas$3 deliver$3) near19 (address name)) same (product merchandise good item)) and (pars$3 recogni$7) and (database same (select$3 near19 (product merchandise good item service)))	US-PGPUB; USPAT	OR	ON	2020/12/08 16:43
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S205	2	("10366442").URPN.	USPAT	OR	ON	2020/12/08 17:52
S206	365	S198 not S199	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/12/08 17:53

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C:\Users\mairapetian\Documents\EAST\Workspaces\16553553.wsp

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

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First Named Inventor	Michael R. KENNEWICK, Sr.
Art Unit	TBD
Examiner Name	TBD
Attorney Docket Number	62KC-301480

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6912498		2005-06-28	Stevens	
	2	6915126		2005-07-05	MazzaraJr	
	3	6928614		2005-08-09	Everhart	
	4	6934756		2005-08-23	Maes	
	5	6937977		2005-08-30	Gerson	
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	9	6950821		2005-09-27	Faybishenko	
	10	6954755		2005-10-11	Reisman	
	11	6959276		2005-10-25	Droppo	
	12	6961700		2005-11-01	Mitchell	
	13	6963759		2005-11-08	Gerson	
	14	6964023		2005-11-08	Maes	
	15	6968311		2005-11-22	Knockeart	
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	17	6975983		2005-12-13	FORTESCUE NICHOLAS DAVID	
	18	6975993		2005-12-13	Keiller	
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	21	6990513		2006-01-24	Belfiore	
	22	6996531		2006-02-07	Korall	
	23	7003463		2006-02-21	Maes	
	24	7016849		2006-03-21	Arnold	
	25	7020609		2006-03-28	Thrift	
	26	7024364		2006-04-04	Guerra	
	27	7027586		2006-04-11	Bushey	
	28	7027974		2006-04-11	Justin Eliot Busch	
	29	7027975		2006-04-11	Pazandak	
	30	7031908		2006-04-18	HUANG XUEDONG D	

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	32	7036128		2006-04-25	Julia	
	33	7043425		2006-05-09	Pao	
	34	7054817		2006-05-30	Shao	
	35	7058890		2006-06-06	George	
	36	7062488		2006-06-13	Reisman	
	37	7069220		2006-06-27	Coffman	
	38	7072834		2006-07-04	Zhou	
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	40	7076362		2006-07-11	Ohtsuji	
	41	7082469		2006-07-25	Gold	

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	42	7085708		2006-08-01	Manson	
	43	7092928		2006-08-15	Elad	
	44	7107210		2006-09-12	Deng	
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	46	7110951		2006-09-19	Lemelson	
	47	7127395		2006-10-24	Gorin	
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	49	7130390		2006-10-31	Abburi	
	50	7136875		2006-11-14	Anderson	
	51	7137126		2006-11-14	Coffman	
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	54	7146315		2006-12-05	BALAN RADU VICTOR	
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	57	7165028		2007-01-16	Gong	
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	65	7197460		2007-03-27	Gupta	
	66	7203644		2007-04-10	Anderson	
	67	7206418		2007-04-17	Yang	
	68	7207011		2007-04-17	Mulvey	
	69	7215941		2007-05-08	Beckmann	
	70	7228276		2007-06-05	Omote	
	71	7231343		2007-06-12	Treadgold	
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	76	7283829		2007-10-16	Christenson	
	77	7283951		2007-10-16	Marchisio	
	78	7289606		2007-10-30	Sibal	
	79	7299186		2007-11-20	Kuzunuki	
	80	7301093		2007-11-27	Sater	
	81	7305381		2007-12-04	Poppink	
	82	7321850		2008-01-22	Wakita	
	83	7328155		2008-02-05	Endo	
	84	7337116		2008-02-26	Charlesworth	
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	87	7366669		2008-04-29	Nishitani	
	88	7376645		2008-05-20	Bernard	
	89	7380250		2008-05-27	SCHECHTER GREG D	
	90	7386443		2008-06-10	Parthasarathy	
	91	7398209		2008-07-08	Kennewick	
	92	7406421		2008-07-29	Odinak	
	93	7415100		2008-08-19	Cooper	
	94	7415414		2008-08-19	Azara	
	95	7421393		2008-09-02	DiFabbrizio	
	96	7424431		2008-09-09	Greene	

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	97	7447635		2008-11-04	Konopka	
	98	7451088		2008-11-11	Ehlen	
	99	7454368		2008-11-18	Stillman	
	100	7454608		2008-11-18	Gopalakrishnan	
	101	7461059		2008-12-02	Richardson	
	102	7472020		2008-12-30	Brulle-Drews	
	103	7472060		2008-12-30	Gorin	
	104	7472075		2008-12-30	Odinak	
	105	7477909		2009-01-13	Roth	
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	109	7493259		2009-02-17	Jones	
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	111	7502672		2009-03-10	Kolls	
	112	7502730		2009-03-10	WANG KUANSAN	
	113	7502738		2009-03-10	Kennewick	
	114	7512906		2009-03-31	BAIER JOHN JOSEPH	
	115	7516076		2009-04-07	Walker	
	116	7529675		2009-05-05	Maes	
	117	7536297		2009-05-19	Byrd	
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	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	62KC-301480

	119	7542894		2009-06-02	Murata	
	120	7546382		2009-06-09	Healey	
	121	7548491		2009-06-16	Macfarlane	
	122	7552054		2009-06-23	Stifelman	
	123	7558730		2009-07-07	Davis	
	124	7574362		2009-08-11	Walker	
	125	7577244		2009-08-18	Taschereau	
	126	7606708		2009-10-20	Hwang	
	127	7606712		2009-10-20	SMITH STEVEN G	
	128	7620549		2009-11-17	DiCristo	
	129	7634409		2009-12-15	Kennewick	

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	130	7640006		2009-12-29	Portman	
	131	7640160		2009-12-29	DiCristo	
	132	7640272		2009-12-29	Mahajan	
	133	7672931		2010-03-02	Hurst-Hiller	
	134	7676365		2010-03-09	Hwang	
	135	7676369		2010-03-09	Fujimoto	
	136	7684977		2010-03-23	Morikawa	
	137	7693720		2010-04-06	Kennewick	
	138	7697673		2010-04-13	Chiu	
	139	7706616		2010-04-27	Kristensson	
	140	7729913		2010-06-01	LEE NICHOLAS J	

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	141	7729916		2010-06-01	Coffman	
	142	7729918		2010-06-01	Walker	
	143	7729920		2010-06-01	Chaar	
	144	7734287		2010-06-08	Ying	
	145	7748021		2010-06-29	Obradovich	
	146	7788084		2010-08-31	Brun	
	147	7792257		2010-09-07	Vanier	
	148	7801731		2010-09-21	Odinak	
	149	7809570		2010-10-05	Kennewick	
	150	7818176		2010-10-19	Freeman	
	151	7831426		2010-11-09	Bennett	

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	152	7831433		2010-11-09	Belvin	
	153	7856358		2010-12-21	Ho	
	154	7873519		2011-01-18	Bennett	
	155	7873523		2011-01-18	Potter	
	156	7873654		2011-01-18	Bernard	
	157	7881936		2011-02-01	Longe	
	158	7890324		2011-02-15	Bangalore	
	159	7894849		2011-02-22	Kass	
	160	7902969		2011-03-08	Obradovich	
	161	7917367		2011-03-29	DiCristo	
	162	7920682		2011-04-05	Byrne	

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	163	7949529		2011-05-24	Weider	
	164	7949537		2011-05-24	Walker	
	165	7953732		2011-05-31	Frank	
	166	7974875		2011-07-05	Quilici	
	167	7983917		2011-07-19	Kennewick	
	168	7984287		2011-07-19	Gopalakrishnan	
	169	8005683		2011-08-23	Tessel	
	170	8015006		2011-09-06	Kennewick	
	171	8024186		2011-09-20	Jeremy S. De Bonet	
	172	8027965		2011-09-27	Mitsuru Takehara	
	173	8032383		2011-10-04	Bhardwaj	

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	174	8060367		2011-11-15	Keaveney	
	175	8069046		2011-11-29	Kennewick	
	176	8073681		2011-12-06	Baldwin	
	177	8077975		2011-12-13	Ma	
	178	8082153		2011-12-20	Coffman	
	179	8086463		2011-12-27	Ativanichayaphong	
	180	8103510		2012-01-24	Sato	
	181	8112275		2012-02-07	Kennewick	
	182	8140327		2012-03-20	Kennewick	
	183	8140335		2012-03-20	Kennewick	
	184	8145489		2012-03-27	Freeman	

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	186	8155962		2012-04-10	Kennewick	
	187	8170867		2012-05-01	Germain	
	188	8180037		2012-05-15	Delker	
	189	8190436		2012-05-29	BANGALORE SRINIVAS	
	190	8195468		2012-06-05	Weider	
	191	8200485		2012-06-12	Lee	
	192	8204751		2012-06-19	Giuseppe Di Fabbrizio	
	193	8219399		2012-07-10	Lutz	
	194	8219599		2012-07-10	Tunstall-Pedoe	
	195	8224652		2012-07-17	Wang	

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	197	8326599		2012-12-04	Nadi Tomeh	
	198	8326627		2012-12-04	Kennewick	
	199	8326634		2012-12-04	DiCristo	
	200	8326637		2012-12-04	Baldwin	
	201	8332224		2012-12-11	DiCristo	
	202	8340975		2012-12-25	Theodore Alfred Rosenberger	
	203	8346563		2013-01-01	Hjelm	
	204	8370147		2013-02-05	Kennewick	
	205	8447607		2013-05-21	Weider	
	206	8447651		2013-05-21	Nathaniel B. Scholl	

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	208	8503995		2013-08-06	Ramer	
	209	8509403		2013-08-13	Chiu	
	210	8515765		2013-08-20	Baldwin	
	211	8527274		2013-09-03	Freeman	
	212	8577671		2013-11-05	Rakesh Barve	
	213	8589161		2013-11-19	Kennewick	
	214	8612205		2013-12-17	Gregory Alan Hanneman	
	215	8612206		2013-12-17	Achraf Chalabi	
	216	8620659		2013-12-31	DiCristo	
	217	8719005		2014-05-06	Lee	

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	219	8719026		2014-05-06	Kennewick	
	220	8731929		2014-05-20	Kennewick	
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	222	8849652		2014-09-30	Weider	
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	224	8849696		2014-09-30	Pansari	
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	227	8972243		2015-03-03	Nikko Strom	
	228	8972354		2015-03-03	TELANG NILESH	

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	230	9009046		2015-04-14	Stewart	
	231	9015049		2015-04-21	Baldwin	
	232	9037455		2015-05-19	Faaborg	
	233	9070366		2015-06-30	Lambert Mathias	
	234	9070367		2015-06-30	Bjorn Hoffmeister	
	235	9105266		2015-08-11	Baldwin	
	236	9171541		2015-10-27	Kennewick	
	237	9269097		2016-02-23	Freeman	
	238	9305548		2016-04-05	Kennewick	
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	241	9406078		2016-08-02	Freeman	
	242	9443514		2016-09-13	Gabriel Taubman	
	243	9502025		2016-11-22	Mike Kennewick	
	244	9711143		2017-07-18	KENNEWICK ROBERT A	
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	5	20010047261		2001-11-29	Peter Kassan	
	6	20010049601		2001-12-06	Kroeker	
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	8	20020002548		2002-01-03	Brian Roundtree	
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	10	20020010584		2002-01-24	Schultz	
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	12	20020022927		2002-02-21	Lemelson	
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	16	20020032752		2002-03-14	Gold	
	17	20020035501		2002-03-21	Handel	
	18	20020040297		2002-04-04	Tsiao	
	19	20020049535		2002-04-25	Rigo	
	20	20020049805		2002-04-25	Yamada	
	21	20020059068		2002-05-16	Rose	
	22	20020065568		2002-05-30	Silfvast	
	23	20020067839		2002-06-06	Heinrich	
	24	20020069059		2002-06-06	Smith	
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	27	20020082911		2002-06-27	Dunn	
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	30	20020087525		2002-07-04	Abbott	
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	32	20020120609		2002-08-29	Lang	
	33	20020124050		2002-09-05	Middeljans	
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	35	20020133354		2002-09-19	Ross	
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	38	20020138248		2002-09-26	Corston-Oliver	
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	40	20020143535		2002-10-03	Kist	
	41	20020152260		2002-10-17	Chen	
	42	20020161646		2002-10-31	Gailey	
	43	20020161647		2002-10-31	Michael Gailey	
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	45	20020173333		2002-11-21	Buchholz	
	46	20020173961		2002-11-21	Guerra	
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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Mark A. Patrick/	Date (YYYY-MM-DD)	2019-08-28
Name/Print	Mark A. Patrick	Registration Number	72,958

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Attorney Docket Number	62KC-301480

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Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20140195238		2014-07-10	Makoto Terao	
	2	20140236575		2014-08-21	Tur	
	3	20140249821		2014-09-04	Kennewick	
	4	20140249822		2014-09-04	Baldwin	
	5	20140278413		2014-09-18	Pitschel	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.A/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	TBD 16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	62KC-301480

	6	20140278416		2014-09-18	Adrian M. Schuster	
	7	20140288934		2014-09-25	Kennewick	
	8	20140330552		2014-11-06	Srinivas Bangalore	
	9	20140337007		2014-11-13	WAIBEL NAOMI AOKI	
	10	20140365222		2014-12-11	Weider	
	11	20150019211		2015-01-15	Patrice Y. Simard	
	12	20150019217		2015-01-15	Cristo	
	13	20150019227		2015-01-15	Anandarajah	
	14	20150066479		2015-03-05	PASUPALAK SAM	
	15	20150066627		2015-03-05	Freeman	
	16	20150073910		2015-03-12	Kennewick	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.A/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	TBD 16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	62KC-301480

	17	20150095159		2015-04-02	Kennewick	
	18	20150142447		2015-05-21	Kennewick	
	19	20150170641		2015-06-18	Kennewick	
	20	20150193379		2015-07-09	Sarin S. Mehta	
	21	20150199339		2015-07-16	Shachar Mirkin	
	22	20150228276		2015-08-13	Baldwin	
	23	20150293917		2015-10-15	John P. Bufe	
	24	20150348544		2015-12-03	Baldwin	
	25	20150348551		2015-12-03	Thomas R. Gruber	
	26	20150364133		2015-12-17	Freeman	
	27	20160049152		2016-02-18	Kennewick	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.A/

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	Attorney Docket Number	62KC-301480

	28	20160078482		2016-03-17	Kennewick	
	29	20160078491		2016-03-17	Kennewick	
	30	20160078504		2016-03-17	Kennewick	
	31	20160078773		2016-03-17	Carter	
	32	20160110347		2016-04-21	Kennewick	
	33	20160148610		2016-05-26	Kennewick	
	34	20160148612		2016-05-26	Guo	
	35	20160188292		2016-06-30	Carter	
	36	20160188573		2016-06-30	Tang	
	37	20160217785		2016-07-28	Robert A. Kennewick	
	38	20160335676		2016-11-17	Tom Freeman	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.A/

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.A/

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	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	62KC-301480

	39	20170004588		2017-01-05	ISAACSON THOMAS M		

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1		

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/MILA AIRAPETIAN/	Date Considered	08/20/2020

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	TBD 16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	62KC-301480

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Mark A. Patrick/	Date (YYYY-MM-DD)	2019-08-28
Name/Print	Mark A. Patrick	Registration Number	72,958

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

133759 7590 12/21/2020

Sheppard Mullin Richter & Hampton LLP
650 Town Center Drive, 10th Floor
Costa Mesa, CA 92626

EXAMINER	
AIRAPETIAN, MILA	
ART UNIT	PAPER NUMBER
3625	

DATE MAILED: 12/21/2020

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/553,553	08/28/2019	Michael R. KENNEWICK Sr.	62KC-301480	1643

TITLE OF INVENTION: VOICE COMMERCE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	03/22/2021

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

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Exhibit 1003
Page 400

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

133759 7590 12/21/2020
Sheppard Mullin Richter & Hampton LLP
650 Town Center Drive, 10th Floor
Costa Mesa, CA 92626

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/553,553	08/28/2019	Michael R. KENNEWICK Sr.	62KC-301480	1643

TITLE OF INVENTION: VOICE COMMERCE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	03/22/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
AIRAPETIAN, MILA	3625	705-026100

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. Fees submitted: ❑ Issue Fee ❑ Publication Fee (if required) ❑ Advance Order - # of Copies _____

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

❑ Electronic Payment via EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. **Change in Entity Status** (from status indicated above)

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

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Exhibit 1003
Page 401

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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133759 7590 12/21/2020

Sheppard Mullin Richter & Hampton LLP
650 Town Center Drive, 10th Floor
Costa Mesa, CA 92626

EXAMINER	
AIRAPETIAN, MILA	

ART UNIT	PAPER NUMBER
3625	

DATE MAILED: 12/21/2020

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

PTOL-85 (Rev. 02/11)

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Exhibit 1003
Page 402

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 16/553,553	Applicant(s) KENNEWICK, Michael R.	
	Examiner MILA AIRAPETIAN	Art Unit 3625	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 11/25/2020.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 1-40 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/MILA AIRAPETIAN/
Primary Examiner, Art Unit 3625

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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Applicant's arguments filed on 11/25/2020 are deemed to be persuasive and adequately reflect the Examiner's opinion as to why claims 1-40 are allowable over the prior art of record.

A Non Patent Literature search was conducted and no relevant art was found.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MILA AIRAPETIAN whose telephone number is (571)272-3202. The examiner can normally be reached on Monday-Friday 8:30 am-6:00 pm.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Smith can be reached on (571) 272-6763. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see https://ppair-my.uspto.gov/pair/PrivatePair. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MILA AIRAPETIAN/
Primary Examiner, Art Unit 3625

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	**Art Unit**
	MILA AIRAPETIAN	3625

CPC								
Symbol							**Type**	**Version**
G06Q	/	30	/	0635			F	2013-01-01
G06Q	/	30	/	0601			I	2013-01-01
G10L	/	15	/	22			I	2013-01-01
G06Q	/	30	/	0625			I	2013-01-01
G10L	/	15	/	1815			I	2013-01-01
G10L	/	15	/	18			A	2013-01-01
G10L	/	2015	/	223			A	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	40	
/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625	08 December 2020	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20201208

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	**Art Unit**
	MILA AIRAPETIAN	3625

INTERNATIONAL CLASSIFICATION				
CLAIMED				
G06Q	/	30	/	00
NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
705	26.1

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	40	
/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625	08 December 2020	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20201208

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	**Art Unit**
	MILA AIRAPETIAN	3625

☑ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	40	
/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625	08 December 2020	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20201208

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	Art Unit
	MILA AIRAPETIAN	3625

CPC - Searched*		
Symbol	**Date**	**Examiner**
G06Q/all subclasses	08/19/2020	MA

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
705	all subclasses	08/19/2020	MA

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	**Date**	**Examiner**
IPR2020-01380 Reviewed Petition for Inter Partes Review of U.S. Patent No. 9,626,703	MM/DD/YYYY	MA
IPR2020-01381 Reviewed Petition for Inter Partes Review of U.S. Patent No. 9,626,703	MM/DD/YYYY	MA
Keyterm search in EAST	08/19/2020	MA
NPL Search in PROQUEST	08/19/2020	MA
Search updated	12/08/2020	MA

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
705/G06Q30	26.1/06	12/08/2020	MA

	/MILA AIRAPETIAN/ Primary Examiner, Art Unit 3625

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/553,553	KENNEWICK, Michael R.
	Examiner	Art Unit
	MILA AIRAPETIAN	3625

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L4	227	(input$4 same (natural near4 language)) and (((buy$3 purchas$3 deliver$3) near19 (address name)) same (product merchandise good item)) and (pars$3 recogni$7) and (database same (select$3 near19 (product merchandise good item service)))	US-PGPUB; USPAT	OR	ON	2020/12/08 16:43
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L9	5	("20060026206" | "20080189187" | "20100121637" | "20160189286" | "20160247542").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2020/12/08 17:52
L10	2	("10366442").URPN.	USPAT	OR	ON	2020/12/08 17:52
L11	365	3 not 4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/12/08 17:53
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S3	34	((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer)) and (confirm$7 approv$3)	US-PGPUB; USPAT	OR	ON	2015/11/29 14:05
S4	26	((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer)) and (confirm$7 approv$3) and (ship$4 deliver$3) and (payment)	US-PGPUB; USPAT	OR	ON	2015/11/29 14:05
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S21	159	(707/713 704/10 379/88.01 707/999 705/26.1).ccls. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2015/11/29 20:04
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S23	23	("20020120674" | "20060122976" | "20070282703" | "20090006336" | "20090012418" | "20090287680" | "20090304161" | "20100061534" | "20100203770" | "20110106527" | "20110246330" | "20120203770" | "20120235865" | "5897622" | "6345239" | "6771766" | "6928417" | "7454368" | "7672931" | "7780081" | "7801570" | "8099289" | "8353452").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/11/29 20:10
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		G06Q20/20 OR G06Q20/40 OR G06Q10/06 OR G06Q10/087 OR G06Q10/10 OR G06Q20/04 OR G06Q20/32 OR G06Q20/12 OR G06Q20/204 OR G06Q30/0207 OR G06Q30/0613 OR G06Q40/025 OR G06Q40/123 OR G06Q50/01 OR G06Q10/063112 OR G06Q20/02 OR G06Q20/0855 OR G06Q20/207 OR G06Q20/3223 OR G06Q20/3674 OR G06Q20/383 OR G06Q20/387 OR G06Q20/401 OR G06Q20/4016 OR G06Q20/403 OR G06Q30/01 OR G06Q30/012 OR G06Q30/0251 OR G06Q30/0639 OR G06Q40/00 OR G06Q40/02 OR G06Q40/04 OR G06Q50/188 OR G06Q10/02 OR G06Q20/382 OR G06Q20/3821 OR G06Q20/3823 OR G06Q20/385 OR G06Q20/40145 OR G06Q20/405 OR G06Q20/425 OR G06Q30/00 OR G06Q30/0222 OR G06Q30/0617 OR G06Q30/0635 OR G06Q30/08 OR G06Q10/06312 OR G06Q10/08 OR G06Q10/0837 OR G06Q10/101 OR G06Q10/20 OR G06Q20/00 OR G06Q20/322 OR G06Q20/3274 OR G06Q20/3276 OR G06Q20/363 OR G06Q20/389 OR G06Q30/0212 OR G06Q30/0215 OR G06Q30/0225 OR G06Q30/0226 OR G06Q30/0238 OR G06Q30/0241 OR G06Q30/0242 OR G06Q30/0269 OR G06Q30/0271 OR G06Q30/0274 OR G06Q30/0277 OR G06Q30/0283 OR G06Q30/04 OR G06Q30/0609 OR G06Q30/0611 OR G06Q30/0623 OR G06Q30/0625 OR G06Q30/0631 OR G06Q30/0637 OR G06Q40/125 OR G06Q40/128 OR H04M3/523 OR H04M3/5166 OR H04M2203/252 OR H04M3/493 OR H04M3/5233 OR H04M3/4936 OR H04M3/5183 OR H04M3/5191 OR H04M15/00 OR H04M2201/38 OR H04M2201/40 OR H04M2201/42 OR H04M2201/54 OR H04M2203/1058 OR H04M2203/2038 OR H04M2203/408 OR H04M3/51 OR H04M3/5141 OR H04M7/0066 OR H04M7/0075 OR H04M15/68 OR H04M15/8038 OR H04M15/854 OR H04M17/00 OR H04M1/72522 OR H04M2201/60 OR H04M2215/0196 OR H04M2215/32 OR H04M2215/34 OR H04M2215/7442 OR H04M2215/8166 OR H04M3/5108 OR H04L67/10 OR H04L67/306				

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S33	28	(utter$6 same (natural adj language) same ((determin$4 pars$3) near9 context)) and ((purchas$3 buy$3 transact$3) near19 (product merchandise good item))	US-PGPUB; USPAT	OR	ON	2016/05/10 12:25
S34	1	"20110112827".pn.	US-PGPUB; USPAT	OR	ON	2016/05/10 12:35

S35	46	(natural near4 language) same (deliver$3 near19 (address name)) same (product merchandise good item)	US-PGPUB; USPAT	OR	ON	2016/09/17 19:48
S36	46	((natural near4 language) same (deliver$3 near19 (address name)) same (product merchandise good item)) and (pars$3 recogni$7)	US-PGPUB; USPAT	OR	ON	2016/09/17 19:50
S37	27	((natural near4 language) same (deliver$3 near19 (address name)) same (product merchandise good item)) and ((word phrase) same (pars$3 recogni$7))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:50
S38	1	"20150032602".pn. and ((natural near9 language) same (pars$3 extract$3))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:54
S39	83	((natural near4 language) same (word phrase) same (pars$3 recogni$7)) and ((deliver$3 near19 (address name)) same (product merchandise good item))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:59
S40	43	((natural near4 language) same (word phrase) same (pars$3 recogni$7)) and ((deliver$3 near19 (address name)) same (purchas$3 near19 (product merchandise good item)))	US-PGPUB; USPAT	OR	ON	2016/09/17 19:59
S41	197	S40 not3	US-PGPUB; USPAT	OR	ON	2016/09/17 20:00
S42	41	S40 not S37	US-PGPUB; USPAT	OR	ON	2016/09/17 20:00
S43	2	("5742845" | "6012098").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/09/17 20:06
S44	348	("6226675").URPN.	USPAT	OR	ON	2016/09/17 20:07
S45	1	"20020161647".pn.	US-PGPUB; USPAT	OR	ON	2016/09/17 20:08
S46	252	(access$3 near9 (address near2 book)) same (name address) same (deliver$3 ship$7)	US-PGPUB; USPAT	OR	ON	2016/09/17 20:39
S47	44	((access$3 near9 (address near2 book)) same (name same address) same (deliver$3 ship$7))	US-PGPUB; USPAT	OR	ON	2016/09/17 20:40
S48	28	((access$3 near9 (address near2 book)) same (name same address) same (deliver$3 ship$7)) and (voice language)	US-PGPUB; USPAT	OR	ON	2016/09/17 20:40

S49	18	((access$3 near9 (address near2 book)) same (name same address) same (deliver$3 ship$7)) and ((voice language) same (recogni$6 interpret$3 pars$3))	US-PGPUB; USPAT	OR	ON	2016/09/17 20:40
S50	1	"20090259561".pn.	US-PGPUB; USPAT	OR	ON	2016/09/17 20:44
S51	0	"20090259561".pn. and (natural near3 language)	US-PGPUB; USPAT	OR	ON	2016/09/17 20:48
S52	26	S48 AND ((H04L67/26 OR H04L12/581 OR H04L12/587 OR H04L2463/101 OR H04L29/06027 OR H04L51/04 OR H04L51/10 OR H04L51/24 OR H04L51/30 OR H04L51/32 OR H04L51/34 OR H04L63/0236 OR H04L63/04 OR H04L63/0428 OR H04L63/0435 OR H04L63/0823 OR H04L63/083 OR H04L63/0861 OR H04L63/10 OR H04L65/1006 OR H04L65/103 OR H04L65/104 OR H04L65/1069 OR H04L65/4007 OR H04L67/02 OR H04L67/06 OR H04L67/14 OR H04L67/306 OR H04L67/32 OR H04L67/42 OR G06Q30/0261 OR G06Q30/0633 OR G06Q30/0635 OR G06Q30/0641 OR G06Q20/28 OR G06Q20/36 OR G06Q30/0621 OR G06Q20/105 OR G06Q20/227 OR G06Q20/363 OR G06Q20/405 OR G06Q30/0601 OR G06Q10/08 OR G06Q10/083 OR G06Q10/10 OR G06Q10/107 OR G06Q20/12 OR G06Q20/20 OR G06Q20/3226 OR G06Q20/3227 OR G06Q20/325 OR G06Q20/3276 OR G06Q20/3278 OR G06Q20/351 OR G06Q20/3552 OR G06Q20/425 OR G06Q30/02 OR G06Q30/0226 OR G06Q30/0251 OR G06Q30/0255 OR G06Q30/0256 OR G06Q30/0257 OR G06Q30/0277 OR G06Q30/06 OR G06Q30/0631 OR G06Q40/00 OR G06Q40/02 OR H04W4/001 OR H04W4/008 OR H04W4/02 OR H04W4/023 OR H04W4/026 OR H04W4/14 OR H04W4/206 OR G06F17/30244 OR G06F17/30575 OR G06F17/3089 OR G06F17/2235 OR G06F21/606 OR G06F2221/2107 OR G06K9/00087 OR G06K9/00221 OR G06K9/00228 OR G06K9/00617 OR G06K9/00926 OR H04B1/406).CPC.)	US-PGPUB; USPAT	OR	ON	2016/09/17 21:01

S53	2	704/10.ccls. and (((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer)))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:53
S54	2	704/10.ccls. and (((speech near9 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:53
S55	502	704/10.ccls. and (speech near9 recognition)	US-PGPUB; USPAT	OR	ON	2017/01/13 21:53
S56	57	704/10.ccls. and ((speech near9 recognition) and (buy$3 purchas$3))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54
S57	162	(707/713 704/10 379/88.01 707/999 705/26.1).ccls. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54
S58	158	(((voice speech) near19 recognition) same ((purchas$3 buy$3) near19 (product merchandise good item))) and (behalf near4 (user customer consumer purchaser buyer))	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54
S59	156	S58 AND ((G06Q30/016 OR G06Q30/06 OR G06Q30/0601 OR G06Q30/02 OR G06Q20/10 OR G06Q20/102 OR G06Q30/0633 OR G06Q40/12 OR G06Q20/20 OR G06Q20/40 OR G06Q10/06 OR G06Q10/087 OR G06Q10/10 OR G06Q20/04 OR G06Q20/32 OR G06Q20/12 OR G06Q20/204 OR G06Q30/0207 OR G06Q30/0613 OR G06Q40/025 OR G06Q40/123 OR G06Q50/01 OR G06Q10/063112 OR G06Q20/02 OR G06Q20/0855 OR G06Q20/207 OR G06Q20/3223 OR G06Q20/3674 OR G06Q20/383 OR G06Q20/387 OR G06Q20/401 OR G06Q20/4016 OR G06Q20/403 OR G06Q30/01 OR G06Q30/012 OR G06Q30/0251 OR G06Q30/0639 OR G06Q40/00 OR G06Q40/02 OR G06Q40/04 OR G06Q50/188 OR G06Q10/02 OR G06Q20/382 OR G06Q20/3821 OR G06Q20/3823 OR G06Q20/385 OR G06Q20/40145 OR G06Q20/405 OR G06Q20/425 OR G06Q30/00 OR G06Q30/0222 OR G06Q30/0617 OR G06Q30/0635 OR G06Q30/08 OR G06Q10/06312 OR G06Q10/08 OR G06Q10/0837 OR G06Q10/101 OR G06Q10/20 OR G06Q20/00 OR G06Q20/322 OR G06Q20/3274 OR	US-PGPUB; USPAT	OR	ON	2017/01/13 21:54

		G06Q20/3276 OR G06Q20/363 OR G06Q20/389 OR G06Q30/0212 OR G06Q30/0215 OR G06Q30/0225 OR G06Q30/0226 OR G06Q30/0238 OR G06Q30/0241 OR G06Q30/0242 OR G06Q30/0269 OR G06Q30/0271 OR G06Q30/0274 OR G06Q30/0277 OR G06Q30/0283 OR G06Q30/04 OR G06Q30/0609 OR G06Q30/0611 OR G06Q30/0623 OR G06Q30/0625 OR G06Q30/0631 OR G06Q30/0637 OR G06Q40/125 OR G06Q40/128 OR H04M3/523 OR H04M3/5166 OR H04M2203/252 OR H04M3/493 OR H04M3/5233 OR H04M3/4936 OR H04M3/5183 OR H04M3/5191 OR H04M15/00 OR H04M2201/38 OR H04M2201/40 OR H04M2201/42 OR H04M2201/54 OR H04M2203/1058 OR H04M2203/2038 OR H04M2203/408 OR H04M3/51 OR H04M3/5141 OR H04M7/0066 OR H04M7/0075 OR H04M15/68 OR H04M15/8038 OR H04M15/854 OR H04M17/00 OR H04M1/72522 OR H04M2201/60 OR H04M2215/0196 OR H04M2215/32 OR H04M2215/34 OR H04M2215/7442 OR H04M2215/8166 OR H04M3/5108 OR H04L67/10 OR H04L67/306 OR H04L51/00 OR H04L51/32 OR H04L63/08 OR H04L67/12 OR H04L12/1813 OR H04L63/083 OR H04L63/0876 OR H04L63/104 OR H04L65/403 OR H04L2209/56 OR H04L41/22 OR H04L63/0815 OR H04L63/0861 OR H04L67/02 OR H04L67/16 OR H04L67/303 OR H04L9/3226 OR H04L12/283 OR H04L12/2834 OR H04L12/2898 OR H04L12/586 OR H04L12/588 OR H04L43/0817 OR H04L63/18 OR H04L65/1073 OR H04L65/4084 OR H04L67/20 OR H04L67/22 OR H04L67/2838 OR G06F17/30256 OR G06F17/30259 OR G06F17/30646 OR G06F2221/2119 OR G06F2221/2129 OR G06F17/2785 OR G06F17/30061 OR G06F17/30522 OR G06F17/3064 OR G06F17/30864 OR G06F21/32 OR G06F3/0482 OR G06F3/0484 OR G06F3/04842 OR G06F3/0485 OR G06F17/243 OR G06F17/30218 OR G06F17/30867 OR G06F17/30876 OR G06F17/30905 OR G06F17/30997 OR G06F8/51 OR G06F8/76 OR G08B13/19641 OR G08B13/19656 OR G08B13/19663 OR				

		G08B13/19673 OR G08B13/1968 OR G08B13/196 OR H04W4/00 OR H04W4/206 OR H04W4/12 OR H04W4/14 OR H04W4/16 OR H04W8/265 OR H04W12/06 OR H04W12/12 OR H04W4/02 OR G06K9/00624 OR G06K2017/0067 OR G06K2019/06234 OR G06K9/627 OR A63F2300/205 OR G01C21/206 OR G01S19/46 OR G01S5/0036 OR G01S5/0054 OR G01S5/0081 OR G01S5/021 OR G01S5/0215 OR G01S5/0221 OR G01S5/14 OR G10L15/22 OR G10L13/00 OR G10L15/26 OR G10L15/30 OR H04N21/25841 OR H04N21/2662 OR H04N21/2668 OR H04N21/41422 OR H04N21/44222 OR H04N21/4788 OR H04N21/615 OR H04N21/632 OR H04N21/8126 OR H04N7/147).CPC.)				
S60	23	("20020120674" | "20060122976" | "20070282703" | "20090006336" | "20090012418" | "20090287680" | "20090304161" | "20100061534" | "20100203770" | "20110106527" | "20110246330" | "20120203770" | "20120235865" | "5897622" | "6345239" | "6771766" | "6928417" | "7454368" | "7672931" | "7780081" | "7801570" | "8099289" | "8353452").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2017/01/13 21:55
S61	2	("8849791").URPN.	USPAT	OR	ON	2017/01/13 21:55
S62	167	("0789106" | "1330368" | "1393489" | "1476819" | "20020010627" | "20020032612" | "20020116274" | "20020133425" | "20020143671" | "20030050891" | "20030094494" | "20030126034" | "20030141358" | "20040006514" | "20040054900" | "20040153344" | "20040172260" | "20040195341" | "20050097054" | "20050100144" | "20050137882" | "20060175401" | "20070100761" | "20070185788" | "20080008348" | "20080052184" | "20080059226" | "20080262948" | "20090150170" | "20090281935" | "20100185533" | "20100235290" | "20100257486" | "20100325020" | "20110016008" | "20110029397" | "20110066514" | "4312037" | "4414467" | "4458802" | "4563739" | "4598810" | "4668150" | "4734005" | "4750119" | "4789054" | "4792018" | "4803348" | "4812629" |	US-PGPUB; USPAT; USOCR	OR	ON	2017/01/13 21:56

		"4814592" | "4839505" | "4858743" | "4866661" | "4871054" | "4884212" | "4893705" | "4896024" | "4903815" | "4967906" | "4984155" | "4997076" | "5007518" | "5020958" | "5028766" | "5042686" | "5128520" | "5128527" | "5133441" | "5139384" | "5143193" | "5159560" | "5216612" | "5231569" | "5256863" | "5257741" | "5273183" | "5311424" | "5367148" | "5372386" | "5375240" | "5414252" | "5416306" | "5478990" | "5520990" | "5521815" | "5537314" | "5541394" | "5581064" | "5602377" | "5671279" | "5712989" | "5721832" | "5737726" | "5745036" | "5799285" | "5804803" | "5857175" | "5889270" | "5890138" | "5895453" | "5913210" | "5918213" | "5918214" | "5949335" | "5950173" | "5966450" | "5968110" | "5978774" | "5984508" | "6014635" | "6016480" | "6018719" | "6025780" | "6029139").PN. OR ("6029141" | "6039244" | "6049778" | "6055511" | "6064979" | "6085167" | "6085172" | "6105001" | "6115690" | "6119099" | "6119164" | "6125352" | "6131088" | "6134533" | "6148249" | "6154738" | "6219652" | "6222914" | "6269344" | "6317028" | "6463421" | "6536659" | "6542933" | "6550685" | "6554187" | "6606608" | "6697812" | "6746053" | "6757663" | "6834268" | "6933848" | "6947941" | "6965866" | "7000834" | "7117227" | "7118478" | "7143055" | "7162440" | "7376572" | "7379899" | "7415617" | "7455230" | "7580860" | "7693731" | "7729923" | "7797164" | "7840439" | "7850081" | "7890373").PN.				
S63	0	("8126724").URPN.	USPAT	OR	ON	2017/01/13 21:56
S64	1	"20170221134" .pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2018/12/10 10:42
S65	437	(G06Q30/06 G06Q30/0617 G06F17/2785 G06F17/3064).cpc. and (((voice speech) near19 recognition) same (purchas$3 buy$3))	US-PGPUB; USPAT	OR	ON	2018/12/10 11:49

S66	285	(access$3 near9 (address near2 book)) same (name address) same (deliver$3 ship$7)	US-PGPUB; USPAT	OR	ON	2018/12/10 11:50
S67	20	((natural near9 language) same (speech near9 recogn$7) same (word phrase)) and (select$3 near9 (seller provider vendor vender merchant)) and ((complet$3 near9 purchas$3) same automatically)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:31
S68	30	((speech near9 recogn$7) same (word phrase)) and (select$3 near9 (seller provider vendor vender merchant)) and ((complet$3 near9 purchas$3) same automatically)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:34
S69	17	((speech near9 recogn$7) same (word phrase)) and (select$3 near9 (seller provider vendor vender merchant)) and ((complet$3 near9 purchas$3) same (without near3 input$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:34
S70	8	("20010021905" | "20050060142" | "5860059" | "5982906" | "6377919" | "6823308" | "7146315" | "7729913").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:37
S71	3	("20140136187" | "7502730" | "9318108").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:37
S72	18	("20020178003" | "20020188455" | "20040102977" | "20040204939" | "20040220800" | "20050169441" | "20070060114" | "20070067310" | "20070106499" | "20080126284" | "20080189187" | "20100191856" | "20100312547" | "20140337007" | "6975983" | "7031908" | "7380250" | "7512906").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:38
S73	9	("20080270135" | "20090030686" | "20090055176" | "20090157382" | "20090171912" | "20100023331" | "20100268536" | "20150066479" | "5331554").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:38
S74	25	("20020007267" | "20030069880" | "20040093567" | "20040199389" | "20050222763" | "20050234637" | "20060046740" | "20060253247" | "20070050279" | "20080014908" | "20080065390" | "20080086455" | "20080269958" | "20090197582" | "20120041753" | "20120265528" | "6219645" | "6243679" | "6389398" | "6591185" | "6882970" | "7606712" | "8326599" | "8612205" | "8612206").PN.	US-PGPUB; USPAT	OR	ON	2019/05/30 17:38

S75	200	("20010039492" | "20010041980" | "20010049601" | "20010054087" | "20020010584" | "20020015500" | "20020022927" | "20020022956" | "20020029186" | "20020029261" | "20020032752" | "20020035501" | "20020040297" | "20020049535" | "20020049805" | "20020059068" | "20020065568" | "20020067839" | "20020069059" | "20020069071" | "20020073176" | "20020082911" | "20020087312" | "20020087326" | "20020087525" | "20020107694" | "20020120609" | "20020124050" | "20020133354" | "20020133402" | "20020135618" | "20020138248" | "20020143532" | "20020143535" | "20020152260" | "20020161646" | "20020161647" | "20020173333" | "20020173961" | "20020184373" | "20020188602" | "20020198714" | "20030014261" | "20030016835" | "20030046346" | "20030064709" | "20030065427" | "20030069734" | "20030088421" | "20030093419" | "20030097249" | "20030110037" | "20030112267" | "20030115062" | "20030120493" | "20030135488" | "20030144846" | "20030158731" | "20030161448" | "20030174155" | "20030182132" | "20030187643" | "20030204492" | "20030206640" | "20030212550" | "20030212558" | "20030212562" | "20030225825" | "20030236664" | "20040006475" | "20040010358" | "20040025115" | "20040030741" | "20040036601" | "20040044516" | "20040098245" | "20040117179" | "20040117804" | "20040122674" | "20040133793" | "20040140989" | "20040143440" | "20040148154" | "20040148170" | "20040158555" | "20040166832" | "20040167771" | "20040172247" | "20040172258" | "20040189697" | "20040193408" | "20040193420" | "20040199375" | "20040205671" | "20040243417" | "20040247092" | "20050015256" | "20050021331" | "20050021334" | "20050021470" | "20050021826" | "20050033574" | "20050033582" | "20050043940" | "20050080632" | "20050114116" |	US-PGPUB; USPAT	OR	ON	2019/05/30 17:38

		"20050125232" | "20050131673" | "20050137850" | "20050137877" | "20050143994" | "20050144013" | "20050144187" | "20050149319" | "20050216254" | "20050234727" | "20050246174" | "20050283364" | "20050283752" | "20060041431" | "20060047509" | "20060072738" | "20060074671" | "20060100851" | "20060130002" | "20060182085" | "20060206310" | "20060217133" | "20060242017" | "20060253281" | "20060285662" | "20070033005" | "20070033020" | "20070033526" | "20070038436" | "20070038445" | "20070043569" | "20070043574" | "20070043868" | "20070050191" | "20070055525" | "20070061067" | "20070061735" | "20070073544" | "20070078708" | "20070078709" | "20070078814" | "20070094003" | "20070112555" | "20070112630" | "20070118357" | "20070124057" | "20070135101" | "20070146833" | "20070162296" | "20070174258" | "20070179778" | "20070185859" | "20070186165" | "20070192309" | "20070198267" | "20070203736" | "20070208732" | "20070214182" | "20070250901" | "20070265850" | "20070266257" | "20070276651" | "20070299824" | "20080034032" | "20080046311" | "20080059188" | "20080065386" | "20080065389" | "20080091406" | "20080103761" | "20080103781" | "20080104071" | "20080109285" | "20080115163" | "20080126091" | "20080133215" | "20080140385" | "20080147396" | "20080147410" | "20080147637" | "20080154604" | "20080162471" | "20080177530" | "20080189110" | "20080228496" | "20080235023" | "20080235027" | "20080294437" | "20080294994" | "20080319751" | "20090006077" | "20090006194" | "20090024476" | "20090052635").PN.				
S76	234	("20090067599" | "20090076827" | "20090106029" | "20090117885" | "20090144131" | "20090144271" | "20090150156" | "20090164216" | "20090171664" | "20090216540" |	US-PGPUB; USPAT	OR	ON	2019/05/30 17:38

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S79	882	S70 S71 S72 S73 S74 S76 S77 S78 S75	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:40
S80	0	S79 and isaacson.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:48
S81	1,158	isaacson.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:48
S82	0	S81 and S79	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 17:49
S83	57	S76 AND ((G06Q30/0261 OR G06Q30/02 OR G06Q30/0241 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0242 OR G06Q30/0273 OR G06Q30/0601 OR G06Q30/0257 OR G06Q10/10 OR G06Q10/109 OR G06Q10/1093 OR G06Q30/0256 OR G06Q30/0264 OR G06Q30/0277 OR G06Q30/0603 OR G06Q30/0635 OR G06Q50/01 OR G06Q10/00 OR G06Q10/025 OR G06Q10/0637 OR G06Q10/06393 OR G06Q10/20 OR G06Q30/0214 OR G06Q30/0239 OR G06Q30/0247 OR G06Q30/0255 OR G06Q30/0266 OR G06Q30/06 OR G06Q30/0625 OR G06Q30/0631 OR G06Q30/0641 OR G06Q30/08 OR G06Q50/12 OR G06Q50/20 OR G06Q50/22 OR G06Q50/30).CPC.)	US-PGPUB; USPAT	OR	ON	2019/05/30 18:00

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S85	800	("6119101").URPN.	USPAT	OR	ON	2019/05/30 18:01
S86	450	S79 and (natural near3 language)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 18:01
S87	31	S79 and (natural near3 language) and (buy$3 purchas$3) and (select$3 near19 (seller merchant provider vendor vender))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2019/05/30 18:02
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S98	945	S91 or S92 or S93 or S94 or S95 or S96 or S97	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 13:56
S99	236	S98 and ((natural near19 language) same (pars$3 utter$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 13:57
S100	0	S98 and ((natural near19 language) same (pars$3 utter$3)) and (confirm$8 approv$3) and (profile same ship$7 same pay$6)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 13:58

S101	61	S98 and ((natural near19 language) same (interpret$7 pars$3 utter$3)) and (confirm$8 approv$3) and (profile same (ship$7 pay$6))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 13:59
S102	7	S98 and ((natural near19 language) same (interpret$7 pars$3 utter$3)) and (profile same (ship$7 pay$6)) and ((confirm$8 approv$3) same (purchas$3 buy$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:07
S103	1	"20190385218" .pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:12
S104	3	("6,859,776" "8,078,502" "20040193420").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:52
S105	18	("20020022956" | "20030093419" | "20030174155" | "20040148154" | "20040148170" | "20070033526" | "20080126091" | "20080228496" | "20130332454" | "20150019211" | "20150193379" | "20150293917" | "20150348551" | "20160335676" | "8340975" | "8577671" | "9070366" | "9502025").PN.	US-PGPUB; USPAT	OR	ON	2020/08/13 14:53
S106	11	("20040189697" | "20060130002" | "20080147637" | "20090319517" | "20100138300" | "20140195238" | "5960384" | "7027974" | "8027965" | "8447651" | "8972243").PN.	US-PGPUB; USPAT	OR	ON	2020/08/13 14:53
S107	10	("20090164216" | "20120240060" | "20140278416" | "20160148610" | "20160148612" | "20160188292" | "20160188573" | "20160217785" | "9308445" | "9406078").PN.	US-PGPUB; USPAT	OR	ON	2020/08/13 14:54
S108	19	("20050144187" | "20050149319" | "20050283364" | "20060182085" | "20080046311" | "20080059188" | "20080103781" | "20080294994" | "20100331064" | "20140278413" | "20150019227" | "20160078482" | "20160078491" | "20160078773" | "20160110347" | "5983190" | "6871179" | "8103510" | "9305548").PN.	US-PGPUB; USPAT	OR	ON	2020/08/13 14:54

S109	207	("0000031" | "0000061" | "0000091" | "0000121" | "0000151" | "0000181" | "0000211" | "0000241" | "0000271" | "0000301" | "0000331" | "0000361" | "0000391" | "0000421" | "0000451" | "0000481" | "0000511" | "0000541" | "0000571" | "0000601" | "0000631" | "0000661" | "0000691" | "0000721" | "20010039492" | "20010041980" | "20010049601" | "20010054087" | "20020010584" | "20020015500" | "20020022927" | "20020029186" | "20020029261" | "20020032752" | "20020035501" | "20020040297" | "20020049535" | "20020049805" | "20020059068" | "20020065568" | "20020067839" | "20020069059" | "20020069071" | "20020073176" | "20020082911" | "20020087312" | "20020087326" | "20020087525" | "20020107694" | "20020120609" | "20020124050" | "20020133354" | "20020133402" | "20020135618" | "20020143532" | "20020143535" | "20020152260" | "20020161646" | "20020173333" | "20020173961" | "20020184373" | "20020188602" | "20020198714" | "20030014261" | "20030016835" | "20030046346" | "20030064709" | "20030065427" | "20030069734" | "20030088421" | "20030097249" | "20030110037" | "20030112267" | "20030115062" | "20030120493" | "20030135488" | "20030144846" | "20030158731" | "20030161448" | "20030182132" | "20030187643" | "20030204492" | "20030206640" | "20030212558" | "20030212562" | "20030225825" | "20030236664" | "20040006475" | "20040010358" | "20040025115" | "20040030741" | "20040036601" | "20040044516" | "20040098245" | "20040117179" | "20040117804" | "20040122674" | "20040133793" | "20040140989" | "20040158555" | "20040166832" | "20040167771" | "20040172247" | "20040172258" | "20040193408" | "20040193420" | "20040199375" | "20040205671" | "20040243417" | "20040247092" | "20050015256" | "20050021331" | "20050021470" | "20050021826" |	US-PGPUB; USPAT	OR	ON	2020/08/13 14:54

		"20050033574" | "20050033582" | "20050043940" | "20050080632" | "20050114116" | "20050125232" | "20050131673" | "20050137850" | "20050137877" | "20050143994" | "20050144013" | "20050216254" | "20050234727" | "20050246174" | "20050283752" | "20060041431" | "20060047509" | "20060072738" | "20060074671" | "20060100851" | "20060206310" | "20060217133" | "20060242017" | "20060253281" | "20060285662" | "20070033005" | "20070033020" | "20070038445" | "20070043569" | "20070043574" | "20070043868" | "20070050191" | "20070055525" | "20070061067" | "20070061735" | "20070073544" | "20070078708" | "20070078709" | "20070078814" | "20070094003" | "20070112555" | "20070112630" | "20070118357" | "20070124057" | "20070135101" | "20070146833" | "20070162296" | "20070174258" | "20070179778" | "20070185859" | "20070186165" | "20070192309" | "20070198267" | "20070203736" | "20070208732" | "20070214182" | "20070265850" | "20070266257" | "20070276651" | "20070299824" | "20080034032" | "20080065386" | "20080065389" | "20080091406" | "20080103761" | "20080104071" | "20080109285" | "20080115163" | "20080133215" | "20080140385" | "20080147396" | "20080147410" | "20080154604" | "20080162471" | "20080177530" | "20080189110" | "20080235023" | "20080235027" | "20080294437" | "20080319751" | "20090006077" | "20090024476" | "20090052635" | "20090067599" | "20090076827" | "20090117885" | "20090144131" | "20090144271" | "20090150156" | "20090171664" | "20090216540" | "20090248605" | "20090259646").PN.				
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		"6650747" | "6658388" | "6678680" | "6681206" | "6691151" | "6701294" | "6704396" | "6704576" | "6704708" | "6707421" | "6708150" | "6721001" | "6721633" | "6721706" | "6726636" | "6735592" | "6739556" | "6742021" | "6745161" | "6751591" | "6751612" | "6754485" | "6754627" | "6757544" | "6757718" | "6795808" | "6801604" | "6801893" | "6810375" | "6813341" | "6816830" | "6829603" | "6832230" | "6833848" | "6850603" | "6856990" | "6865481" | "6868380" | "6868385" | "6873837" | "6877001" | "6877134" | "6901366" | "6910003" | "6912498" | "6915126" | "6934756" | "6937977" | "6937982" | "6941266" | "6944594" | "6950821" | "6954755" | "6959276" | "6961700" | "6963759" | "6964023" | "6968311" | "6973387" | "6975993" | "6980092" | "6983055" | "6990513" | "6996531" | "7003463" | "7016849" | "7020609" | "7024364" | "7027586" | "7027975" | "7035415" | "7036128" | "7043425" | "7054817" | "7058890" | "7069220" | "7072834" | "7076362" | "7082469" | "7085708" | "7092928" | "7107210" | "7107218" | "7110951" | "7127395" | "7127400" | "7130390" | "7136875" | "7137126" | "7143037" | "7143039" | "7146319" | "7149696" | "7165028" | "7170993" | "7171291" | "7174300" | "7177798" | "7184957" | "7190770" | "7197069" | "7197460" | "7203644" | "7206418" | "7215941" | "7228276" | "7231343" | "7236923" | "7254482" | "7272212" | "7277854" | "7283829" | "7283951" | "7289606" | "7299186" | "7301093" | "7305381" | "7321850" | "7328155" | "7337116" | "7340040" | "7366285" | "7366669" | "7376645" | "7386443" | "7398209" | "7406421" | "7415100" | "7415414" | "7421393" | "7424431" | "7447635" | "7451088" | "7461059" | "7472020" | "7472060" | "7472075" | "7477909" | "7478036" | "7487088" | "7487110" | "7493259" | "7493559" | "7502672" | "7502738" | "7516076" | "7529675" | "7536297" | "7536374" | "7542894" | "7546382" | "7548491" | "7552054" | "7558730" | "7574362" | "7577244" | "7606708" | "7620549" | "7634409" |			

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S112	8	("8886536" | "8983839" | "9009046" | "9015049" | "9037455" | "9105266" | "9171541" | "9269097").PN.	US-PGPUB; USPAT	OR	ON	2020/08/13 14:54
S113	805	S105 or S106 or S107 or S108 or S110 or S111 or S112 or S109	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:55
S114	1	S113 and S104	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 14:55
S115	1	("200902655163" "20090304161").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 15:04
S116	2	("20090265163" "20090304161").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 15:05

S117	1	("20090265163" "20090304161").pn. and (buy$3 purchas$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/13 15:06
S118	3	("6,859,776" "8,078,502" "20040193420").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/18 15:10
S147	1	"8078502".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:46
S148	0	"8078502".pn. and ((seller merchant provider retail$2) same database)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:50
S149	1	"8078502".pn. and ((seller merchant provider retail$2) same (product merchandise good item))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:50
S150	1	("20040193420").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:52
S151	1	("20040193420").pn. and ((seller provider merchant retailer) same database)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:52
S152	0	("20040193420").pn. and ((seller provider merchant retailer) same pric$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 11:57
S153	1	"8078502".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:09
S154	1	("6,859,776").pn. and database	US-PGPUB; USPAT;	OR	ON	2020/08/19 12:21

			EPO; JPO			
S155	7	((predetermin$3 (pre near2 determin$3) pre-determin$3) same ((set list group) near9 (seller merchant provider retail)) same database same price) and ((natural near9 language) same (pars$3 interpret$3 voice utter$5))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:32
S156	12	((profile account) same ((set list group) near9 (seller merchant provider retail)) same database same price) and ((natural near9 language) same (pars$3 interpret$3 voice utter$5))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:49
S157	10	S156 not S155	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:49
S158	13	((profile account) same (seller merchant provider retail) same database same price) and ((natural near9 language) same (pars$3 interpret$3 voice utter$5)) and ((select$3 near19 (seller merchant provider retail)) same (based near9 price))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:57
S159	12	S158 not S157	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 12:58
S160	0	"7792709".pn. and (select$3 near19 seller)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 13:00
S161	1	"7792709".pn. and (select$3 near19 merchant)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 13:00
S162	1	"7792709".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 13:04
S163	1	"7792709".pn. and (database same stor$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 17:47

S164	0	((prefered near19 (seller merchant provider)) same profile) and (database near29 (seller merchant provider)) and ((select$3 near19 (seller merchant provider)) same (based near9 price))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 17:53
S165	272	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 (seller merchant provider)) and ((select$3 near19 (seller merchant provider)) same (based near9 price))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 17:53
S166	6	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 (seller merchant provider)) and ((select$3 near19 (seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 17:54
S167	0	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 pric$3) and ((select$3 near19 (seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:42
S168	6	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 stor$3) and ((select$3 near19 (seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:42
S169	0	S168 not S166	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:42
S170	5	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 search$3) and ((select$3 near19 (seller merchant provider)) same (based near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:43
S171	5	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 search$3) and ((select$3 near19 (seller merchant provider)) same (low$5 near9 price)) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:43
S172	0	S171 not S170	US-PGPUB; USPAT;	OR	ON	2020/08/19 18:44

			EPO; JPO			
S173	27	((stor$3 near19 (seller merchant provider)) same profile) and (database near29 search$3) and ((select$3 near19 (seller merchant provider)) same price) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:44
S174	22	S173 not S171	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:45
S175	1	"20090171760" .pn. and ((seller provider merchant) same profile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 18:51
S178	150	((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 pars$3)) and ((prefer$4 near9 (seller merchant provider)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:01
S179	14	((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 pars$3)) and (((prefer$4 near9 (seller merchant provider))) same select$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:01
S181	6,407	((select$3 near9 (seller provider merchant)) same pric$3) and ((set list) near9 (seller provider merchant)) and ((seller provider merchant) same (profile account))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:06
S182	22	((select$3 near9 (seller provider merchant)) same pric$3) and ((set list) near9 (seller provider merchant)) and ((seller provider merchant) same (profile account)) and ((natural near9 language) same voice same input$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:07
S183	49	((select$3 near9 (seller provider merchant)) same (low$5 near3 pric$3)) and ((set list) near9 (seller provider merchant)) and ((seller provider merchant) same (profile account)) and (natural near9 language)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:10
S184	44	S183 not S182	US-PGPUB;	OR	ON	2020/08/19 19:11

			USPAT; EPO; JPO			
S185	1	"20140136259" .pn. and (consumer same provider same profile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:13
S186	1	"20140136259" .pn. and (consumer same (merchant provider) same profile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:14
S187	1	"20140136259" .pn. and (select$3 near9 (merchant provider))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 19:17
S188	7	(intended near9 recipient) same (address near9 book) same shipping same (access$3 obtain$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:27
S189	19	((gift present) same (intended near9 recipient)) and ((address near9 book) same shipping same (access$3 obtain$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:29
S190	36	(address near19 (intended near9 recipient)) and ((address near9 book) same shipping same (access$3 obtain$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:35
S191	17	S190 not S189	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 20:35
S192	0	"20140136259".pn. and (search$3 same (display$3 near9 result))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 21:29
S193	1	"20140136259".pn. and (search$3 near9 result)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 21:29

S194	1	"6859776".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 21:40
S195	157	((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 pars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 22:05
S196	142	S195 AND ((G06Q30/02 OR G06Q30/08 OR G06Q30/0247 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0273 OR G06Q30/0275 OR G06Q10/00 OR G06Q30/0267 OR G06Q30/06 OR G06Q30/0631 OR G06Q30/0643 OR G06Q50/01 OR G06Q99/00 OR G06Q30/0255 OR G06Q30/0241 OR G06Q30/0261 OR G06Q30/0201 OR G06Q30/0246 OR G06Q30/0254 OR G06Q30/0256 OR G06Q10/087 OR G06Q30/00 OR G06Q30/0601 OR G06Q40/04 OR G06Q10/101 OR G06Q30/0271 OR G06Q30/0277).CPC.)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 22:05
S197	1	705/$7.ccls. and (((stor$3 near19 (seller merchant provider)) same profile) and (database near9 pric$3) and ((select$3 near9 (seller merchant provider))) and ((natural near9 language) same (utter$5 p)ars$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2020/08/19 22:06

12/8/2020 6:09:18 PM
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CONFIRMATION NO. 1643

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
16/553,553	08/28/2019	705	3625	62KC-301480

APPLICANTS
VB Assets, LLC, Bellevue, WA;

INVENTORS
Michael R. KENNEWICK Sr., Bellevue, WA;

**** CONTINUING DATA ***************************
This application is a CON of 15/484,930 04/11/2017 PAT 10430863
which is a CON of 14/855,334 09/15/2015 PAT 9626703
which claims benefit of 62/051,273 09/16/2014

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****
09/09/2019

Foreign Priority claimed ❑ Yes ☑ No 35 USC 119(a-d) conditions met ❑ Yes ☑ No Verified and Acknowledged /MILA AIRAPETIAN/ Examiner's Signature	❑ Met after Allowance MA Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		WA	6	38	4

ADDRESS

Sheppard Mullin Richter & Hampton LLP
650 Town Center Drive, 10th Floor
Costa Mesa, CA 92626
UNITED STATES

TITLE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	16553553
Filing Date	2019-08-28
First Named Inventor	Michael R. KENNEWICK, Sr.
Art Unit	3625
Examiner Name	Mila Airapetian
Attorney Docket Number	62KC-301480

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Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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/M.A/	1	20010014857		2001-08-16	WANG ZIFEI PETER	
/M.A/	2	20030154082		2003-08-14	TOGURI YASUHIRO	
/M.A/	3	20040128514		2004-07-01	RHOADS GEOFFREY B	
/M.A/	4	20060247919		2006-11-02	SPECHT JEFFREY	
/M.A/	5	20080032622		2008-02-07	KOPRA TONI	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	3625
	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
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EXAMINER SIGNATURE

Examiner Signature	/MILA AIRAPETIAN/	Date Considered	12/08/2020

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	16553553
	Filing Date	2019-08-28
	First Named Inventor	Michael R. KENNEWICK, Sr.
	Art Unit	3625
	Examiner Name	Mila Airapetian
	Attorney Docket Number	62KC-301480

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Timothy P. Cremen/	Date (YYYY-MM-DD)	2020-09-23
Name/Print	Timothy P. Cremen	Registration Number	50,855

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

CONSIDERED: /M.A/ /MILA AIRAPETIAN/ 12/08/2020

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR :	Michael R. KENNEWICK	CONFIRMATION NO.:	1643
SERIAL NUMBER :	16/553,553	EXAMINER:	Mila Airapetian
FILING DATE :	August 28, 2019	ART UNIT:	3625
FOR :	VOICE COMMERCE		

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants hereby make of record in the above-identified application the following Notice of Filing Date According to Petition and Time for Filing Patent Owner Preliminary Response in the following cases before the Patent Trial and Appeal Board:

1. U.S. Patent No. 9,015,049, Case IPR2020-01346, Mailed August 7, 2020, Amazon.com, Inc.; Amazon.com LLC; Amazon Web Services, Inc.; A2Z Development Center, Inc. d/b/a Lab126; Rawles LLC; Amzn Mobile LLC; Amzn Mobile 2 LLC; Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc.; and Amazon.com Services LLC (formerly Amazon Digital Services LLC) (Petitioner) v. VB Assets, LLC (Patent Owner).

2. U.S. Patent No. 8,886,536, Case IPR2020-01374, Mailed August 7, 2020, Amazon.com, Inc.; Amazon.com LLC; Amazon Web Services, Inc.; A2Z Development Center, Inc.

d/b/a Lab126; Rawles LLC; Amzn Mobile LLC; Amzn Mobile 2 LLC; Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc.; and Amazon.com Services LLC (formerly Amazon Digital Services LLC) (Petitioner) v. VB Assets, LLC (Patent Owner).

3. U.S. Patent No. 8,886,536, Case IPR2020-01377, Mailed August 7, 2020, Amazon.com, Inc.; Amazon.com LLC; Amazon Web Services, Inc.; A2Z Development Center, Inc. d/b/a Lab126; Rawles LLC; Amzn Mobile LLC; Amzn Mobile 2 LLC; Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc.; and Amazon.com Services LLC (formerly Amazon Digital Services LLC) (Petitioner) v. VB Assets, LLC (Patent Owner).

4. U.S. Patent No. 9,626,703, Case IPR2020-01380, Mailed August 7, 2020, Amazon.com, Inc.; Amazon.com LLC; Amazon Web Services, Inc.; A2Z Development Center, Inc. d/b/a Lab126; Rawles LLC; Amzn Mobile LLC; Amzn Mobile 2 LLC; Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc.; and Amazon.com Services LLC (formerly Amazon Digital Services LLC) (Petitioner) v. VB Assets, LLC (Patent Owner).

5. U.S. Patent No. 9,626,703, Case IPR2020-01381, Mailed August 7, 2020, Amazon.com, Inc.; Amazon.com LLC; Amazon Web Services, Inc.; A2Z Development Center, Inc. d/b/a Lab126; Rawles LLC; Amzn Mobile LLC; Amzn Mobile 2 LLC; Amazon.com Services, Inc. f/k/a Amazon Fulfillment Services, Inc.; and Amazon.com Services LLC (formerly Amazon Digital Services LLC) (Petitioner) v. VB Assets, LLC (Patent Owner).

It is respectfully requested that the Examiner review these cases, and obtain copies of any of the references he needs.

I hereby certify that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge, after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

Respectfully submitted,

SHEPPARD MULLIN RICHTER & HAMPTON LLP

By /James G. Gatto/
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Registration No.: 32,694

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Dated: September 25, 2020

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 16/553,553	Filing Date 08/28/2019	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $460 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

AMENDMENT	11/25/2020	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 40	Minus	** 38	= 2		x $100 =	200
	Independent (37 CFR 1.16(h))	* 4	Minus	*** 4	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	200

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $0 =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $0 =	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	SLIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/Theresa OKON/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT & TRADEMARK OFFICE			
In Re Patent Application Of:	Michael Kennewick	**Attorney Docket No.:**	62KC-301480
Serial No.:	16/553,553	**Confirmation No.:**	1643
Filing Date:	August 28, 2019	**Examiner:**	Mila Airapetian
		Art Unit:	3625
For:	VOICE COMMERCE		

RESPONSE TO OFFICE ACTION

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Submitted: November 25, 2020

Dear Sir:

In response to the Non-Final Office Action mailed **August 27, 2020**, please amend the above-identified application as follows:

Amendments to the Claims begin on page **2** of this paper.

Remarks begin on page **14** of this paper.

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned for under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 504561 (**Ref. No. 62KC-301480**).

SMRH:4848-1161-5955.1

Electronic Patent Application Fee Transmittal

Application Number:	16553553
Filing Date:	28-Aug-2019
Title of Invention:	VOICE COMMERCE
First Named Inventor/Applicant Name:	Michael R. KENNEWICK
Filer:	Timothy P. Cremen/Diane Bogusz
Attorney Docket Number:	62KC-301480

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
CLAIMS IN EXCESS OF 20	1202	2	100	200
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**200**

Electronic Acknowledgement Receipt	
EFS ID:	41229280
Application Number:	16553553
International Application Number:	
Confirmation Number:	1643
Title of Invention:	VOICE COMMERCE
First Named Inventor/Applicant Name:	Michael R. KENNEWICK
Customer Number:	133759
Filer:	Timothy P. Cremen/Diane Bogusz
Filer Authorized By:	Timothy P. Cremen
Attorney Docket Number:	62KC-301480
Receipt Date:	25-NOV-2020
Filing Date:	28-AUG-2019
Time Stamp:	15:32:06
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$200
RAM confirmation Number	E2020AOF32335575
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		62KC-301480_RESPONSE.pdf	70972 9cf558d6ef738c5109e6fd3e588a2fda12f0b903	yes	18

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Applicant Arguments/Remarks Made in an Amendment	14	18
	Claims	2	13
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1

Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30504 a8d67d48edbb95761965be2b2069a91531edf26f	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	101476		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

REMARKS

Applicant thanks the Examiner for considering the references cited with the *Information Disclosure Statements* filed August 28, 2019, November 25, 2019, March 12, 2020, and June 15, 2020. Applicant requests that the Examiner consider the references cited with the *Information Disclosure Statement* filed September 25, 2020 with the next communication.

Applicant thanks the Examiner for indicating that the Formal Drawings filed August 28, 2019 are accepted.

Status of the Application

Claims 1-40 are all the claims pending in the Application, as claims 39 and 40 are hereby added. Claims 1-38 stand rejected. Claims 1, 12, 15, 16, 17, 27, 30, 31, and 35 are amended to address informalities only; no estoppel is intended.

Claim Objections

The Examiner has objected to claim 17 for a missing period. The informality noted by the Examiner has been corrected. Thus, withdrawal of the objection is respectfully requested.

Anticipation Rejection

The Examiner has rejected claims 1-4, 11, 14-19, 26, 29, and 30 under 35 U.S.C. § 102(a)(2) as being anticipated by U.S. Patent No. 6,859,776 to Cohen et al. ("*Cohen*"). This rejection is respectfully traversed.

The Examiner takes the position that *Cohen* discloses all the features of independent claims 1 and 16. *OA* at 2-3. Applicant respectfully disagrees, and submits that *Cohen* fails to teach or suggest:

> searching, by the computer system, one or more databases of products or services based on the one or more words or phrases;
>
> selecting, by the computer system, without further user input other than the single first user input, a product or service from the database to be purchased based on the search;

as recited in claim 1 (claim 16 is similar).

Specifically, the Examiner asserts that *Cohen* discloses searching databases in col. 14:42-67 and selecting a product or service in col. 19:1-12. However, the former portion of *Cohen* fails to teach or suggest searching a database of products or services – it simply discloses stored words and dictionaries. Further, in the latter portion cited by the Examiner, *Cohen* discloses a series of queries and answers used to, for example, select a flight, that is quite different from the claimed invention. The claimed invention selects a product or service from a database based ***on a single user input*** (the claimed "single first user input"), without further user input.

In view of the above, Applicant respectfully submits that independent claims 1 and 16 are patentable over *Cohen*. Further, Applicant respectfully submits that rejected dependent claims 2-4, 11, 14, 15, 17-19, 26, 29, and 30 are allowable over *Cohen*, *at least* by virtue of their dependency.

Thus, Applicant respectfully requests that the Examiner withdraw this rejection.

Obviousness Rejection

The Examiner has rejected under 35 U.S.C. § 103(a): (i) claims 31-38 as being unpatentable over Cohen in view of U.S. Patent Publication No. 2014/0136259 to Kinsey et al. ("*Kinsey*"); (ii) claims 2-10 and 20-25 as unpatentable over Cohen in view of Kinsey; and (iii) claims 12, 13, 27, and 28 as unpatentable over Cohen in view of U.S. Patent Publication No. 2009/0259561 ("*Boys*"). These rejections are respectfully traversed.

Claims 31-38

The Examiner takes the position that *Cohen* discloses almost all of the features of independent claims 31 and 35, but fails to teach or suggest presenting a set of search results to a user based on its search. *OA* at 6-7. Applicant agrees that *Cohen* is deficient at least in this regard. Nevertheless, the Examiner applies *Kinsey* as teaching the missing features. Additionally, the Examiner alleges that one of skill would have been motivated to modify *Cohen* with *Kinsey* because the combination would "advantageously deliver search results that are extremely focused on what the consumer is seeking." *OA* at 7.

Applicant respectfully submits that, even if it were possible to modify *Cohen* with *Kinsey* as the Examiner has alleged (which Applicant does not concede would have been obvious to a person of ordinary skill), Applicant respectfully submits that neither *Cohen*, *Kinsey*, or any combination thereof, teaches or suggests.

> searching, by the computer system, one or more databases of products or services based on the one or more recognized words or phrases from the single first user input, and without using further user input other than the single first user input;
>
> causing, by the computer system, a set of search results to be presented to a user based on the search, the search results indicating one or more products or services from the database available for purchase;
>
> receiving, by the computer system, a second user input comprising a selection from the set of search results, the selection identifying one or more products or services from the database to be purchased on behalf of the user based on the second user input;

as recited in claim 31 (claim 35 is similar).

Applicant respectfully submits that *Cohen* fails to teach or suggest searching a database of products or services for the same reasons discussed above regarding claims 1 and 16. Further,

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Applicant respectfully submits that *Cohen* fails to teach or suggest searching the database using the recognized words and phrases from a ***single user input*** (the claimed "single first user input"), without further user input. As discussed above, *Cohen* discloses a series of queries and answers used to, for example, select a flight, that is quite different from the claimed invention. *Kinsey* does not supply these deficiencies (even if it could have been combined with *Cohen*).

Thus, Applicant respectfully submits that independent claims 31 and 35 are patentable over the applied references. Further, Applicant respectfully submits that rejected dependent claims 32-34 and 36-38 are allowable, *at least* by virtue of their dependency.

Claims 5-10, 12, 13, 20-25, 27, and 28

These dependent claims are rejected in view of a combination of *Cohen*, *Kinsey*, and *Boys*. Applicant respectfully submits that these claims are patentable at least by virtue of their dependency, and that *Boys* fails to supply the deficiencies identified above.

Thus, Applicants respectfully request that the Examiner withdraw this rejection.

New Claims

Claims 39 and 40 are hereby added. Claims 39 and 40 are fully supported by the instant Application (*see*, *e.g.*, par. [0008]). Claims 39 and 40 are respectfully submitted to be allowable both by virtue of their dependency, and by virtue of the features recited therein.

Conclusion

In view of the foregoing, it is respectfully submitted that claims 1-40 are allowable. Thus, it is respectfully submitted that the application now is in condition for allowance with all of the claims 1-40.

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If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

Respectfully submitted,

Date: **November 25, 2020**

SHEPPARD MULLIN RICHTER & HAMPTON LLP

By: / Timothy P. Cremen /
Timothy P. Cremen
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AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the Application.

LISTING OF CLAIMS:

1. (**Currently Amended**) A method for providing voice commerce, the method being implemented on a computer system having one or more physical processors programmed with computer program instructions which, when executed, perform the method, the method comprising:

receiving, by the computer system, a single first user input comprising a natural language utterance;

providing, by the computer system, the natural language utterance as an input to a speech recognition engine;

obtaining, by the computer system, one or more words or phrases recognized from the natural language utterance as an output of the speech recognition engine;

searching, by the computer system, one or more databases of products or services based on the one or more words or phrases;

selecting, by the computer system, without further user input ~~after the receipt of~~ other than the single first user input, a product or service from the database to be purchased based on the search;

receiving, by the computer system, a second user input indicating confirmation by a user to complete a purchase transaction of the selected product or service; and

completing, by the computer system, without further user input after the receipt of the second user input, a purchase transaction of the selected product or service.

2. (**Original**) The method of claim 1, wherein selecting the product or service further comprises:

determining, by the computer system, a context based at least on the one or more words or phrases, wherein the product or service is selected based at least on the determined context.

3. (**Original**) The method of claim 1, wherein completing the purchase transaction for the selected product or service comprises:

obtaining, by the computer system, payment information with which to pay for the selected product or service, wherein the purchase transaction is completed based on the payment information without receiving confirmation of the payment information by the user.

4. (**Original**) The method of claim 1, wherein completing the purchase transaction for the selected product or service comprises:

obtaining, by the computer system, shipping information with which to deliver the selected product or service, wherein the shipping information specifies a name or address of a recipient to which the selected product or service is to be delivered after the selected product or service is purchased, and wherein the purchase transaction is completed based on the shipping information without receiving confirmation of the shipping information by the user.

5. (**Original**) The method of claim 1, the method further comprising:

obtaining, by the computer system, seller information describing one or more products or services available from one or more sellers via one or more remote information sources; and

storing, by the computer system, the seller information in the one or more databases.

6. (**Original**) The method of claim 5, wherein the one or more remote information sources comprise at least a third party search engine, a third party retailer, and/or a third party service provider.