

ABSTRACT

A method of enabling one or more functions of a device is disclosed. The method includes sensing by a device a physiological parameter of a user of the device. The device determines whether or not the physiological parameter that is sensed satisfies a criterion. Responsive to determining that the physiological parameter that is sensed satisfies the criterion, the device enables a number of functions of the device while disabling a function of the device.



Application Data Sheet 37 CFR 1.76

The Application Data Sheet is part of the provisional or non-provisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.

Inventor Information

of inventors: 2

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Application Information

Customer number 138517 -

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Title of invention **MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER**

Attorney docket number **1348.002US8**

Entity status **Small**

Application type **Nonprovisional Application under 35 USC 111(a)**

Subject matter **Utility**

Total number of drawing sheets **3**

Suggested figure for publication **---**

Filing by reference **No**

Publication request **Normal eighteen-month publication**

Representative Information

of representatives: 1

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).

Customer number 138517

Domestic Benefit/National Stage Information

of benefit claims: 6

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c), 386(c), or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Prior app status **Pending**

Application number ---
Continuity type Continuation of
Prior app number 17653748
Filing Date 03/07/2022

Prior app status Patented
Application number 17653748
Continuity type Continuation of
Prior app number 15929609
Filing Date 05/12/2020
Patent number 11304118
Issue date 04/12/2022

Prior app status Patented
Application number 15929609
Continuity type Continuation of
Prior app number 16012513
Filing Date 06/19/2018
Patent number 10660015
Issue date 05/19/2020

Prior app status Patented
Application number 16012513
Continuity type Division of
Prior app number 15800885
Filing Date 11/01/2017
Patent number 10219199
Issue date 02/26/2019


Prior app status Patented
Application number 15800885
Continuity type Continuation of
Prior app number 15251882
Filing Date 08/30/2016
Patent number 9832708
Issue date 11/28/2017

Prior app status Patented
Application number 15251882
Continuity type Continuation of
Prior app number 12264711
Filing Date 11/04/2008
Patent number 9462411
Issue date 10/04/2016

Foreign Priority Information

of foreign priority claims: 0

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the Application Data Sheet constitutes the claim for priority as required by 35 U.S.C. 119 (b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

 Data was not provided for this section.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

Checking this box will cause the application to be examined under the first inventor to file provisions of the AIA.

This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 2016, 2013, will be examined under the first inventor to file provisions of the AIA.

Authorization or Opt-Out of Authorization to Permit Access

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE:

This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

Priority Document Exchange (PDX)

- Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h) (1).

Search Results from U.S. Application to EPO

- Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).
- B. The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

- A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.
- B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with the search results from the instant application.

NOTE:

Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Applicant Information

of applicants: 1

The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46.

1. **Telcom Ventures LLC**
200 South Biscayne Blvd., 40th Floor
Miami, FL 33131
UNITED STATES

Applicant Organization
Applicant type Assignee


Phone: ---
Fax: ---
Email: ---

Assignee Information including Non-Applicant Assignee Information

of assignees: 0

An assignee-applicant identified in the "Applicant" section will appear on the patent application as an applicant.

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

 Data was not provided for this section.

Signature

NOTE:

This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c)

This Application Data Sheet must be signed by a patent practitioner if one or more of the applicants is a juristic entity (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, all joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of all joint inventor-applicants.

See CFR 1.4(d) for the manner of making signatures and certifications.

Signature	First name	Last name	Registration #	Date
/Aaron Pederson/	Aaron	Pederson	58607	08/16/2023

Claims:

1. A method comprising:
sensing by a device a physiological parameter of a user of the device;
determining whether or not the physiological parameter that is sensed satisfies a criterion; and
responsive to determining that the physiological parameter that is sensed satisfies the criterion, enabling a number of functions of the device while disabling a function of the device.
2. The method of Claim 1, wherein said enabling a number of functions of the device comprises enabling a number of functions that is greater than or equal to one.
3. The method of Claim 1, further comprising:
while said number of functions is enabled by having sensed by the device the physiological parameter and by having determined that the physiological parameter that is sensed satisfies the criterion, requesting by the device from a second device an authorization to enable a function for conducting a financial transaction;
responsive to the requesting, receiving by the device from the second device the authorization to enable the function for conducting the financial transaction; and
responsive to receiving the authorization, enabling at the device the function for conducting the financial transaction.
4. The method of Claim 3, further comprising:
responsive to the device satisfying a proximity condition relative to an entity and
responsive to the device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product.
5. The method of Claim 3, further comprising:
enabling at the second device a function for conducting the financial transaction.

6. The method of Claim 1, wherein the device comprises a wireless device.
7. The method of Claim 6, wherein the wireless device comprises a smartphone.
8. The method of Claim 1, wherein said determining whether or not the physiological parameter that is sensed satisfies a criterion comprises:
 - determining by the device whether or not the physiological parameter that is sensed satisfies the criterion.
9. A device that is configured to perform operations comprising:
 - sensing a physiological parameter of a user of the wireless device;
 - determining whether or not the physiological parameter that is sensed satisfies a criterion; and
 - responsive to determining that the physiological parameter that is sensed satisfies the criterion, enabling a number of functions while disabling a function.
10. The device of Claim 9, wherein said enabling a number of functions comprises enabling a number of functions that is greater than or equal to one.
11. The device of Claim 9, wherein the operations further comprise:
 - while said number of functions is enabled by having sensed the physiological parameter and by having determined that the physiological parameter sensed satisfies the criterion, requesting from a second device an authorization to enable a function for conducting a financial transaction;
 - responsive to the requesting, receiving from the second device the authorization to enable the function for conducting the financial transaction; and
 - responsive to receiving the authorization, enabling the function for conducting the financial transaction.
12. The device of Claim 11, wherein the operations further comprise:
 - detecting that a proximity condition relative to an entity has been satisfied;

sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion; and

using the function for conducting the financial transaction and conducting the financial transaction by paying for a product.

13. The device of Claim 11, wherein the operations further comprise:
causing a function for conducting the financial transaction to be enabled at the second device.

14. The device of Claim 9, wherein the device comprises a wireless device.

15. The device of Claim 14, wherein the wireless device comprises a smartphone.

16. A method comprising:
sensing by a wireless device a physiological parameter of a user of the wireless device;
determining whether or not the physiological parameter that is sensed satisfies a criterion;
responsive to the physiological parameter sensed satisfying the criterion, enabling a number of functions of the wireless device;
requesting by the wireless device from a second device an authorization to enable a function for conducting a financial transaction;
responsive to the requesting, receiving by the wireless device from the second device the authorization to enable the function for conducting the financial transaction;
responsive to receiving the authorization, enabling at the wireless device the function for conducting the financial transaction; and
responsive to the wireless device satisfying a proximity condition relative to an entity and responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product.

17. The method of Claim 16, wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one while disabling a function of the wireless device.

18. The method of Claim 16, further comprising:
enabling at the second device a function for conducting the financial transaction.

19. The method of Claim 16, wherein the wireless device comprises a smartphone.

20. The method of Claim 16, wherein said determining whether or not the physiological parameter that is sensed satisfies a criterion comprises:
determining by the wireless device whether or not the physiological parameter that is sensed satisfies the criterion.

21. The method of Claim 16, wherein said enabling a number of functions of the wireless device comprises:
enabling by the wireless device the number of functions of the wireless device.

22. A wireless device that is configured to perform operations comprising:
sensing a physiological parameter of a user of the wireless device;
determining whether or not the physiological parameter that is sensed satisfies a criterion;
responsive to the physiological parameter sensed satisfying the criterion, enabling a number of functions of the wireless device;
requesting from a second device an authorization to enable a function for conducting a financial transaction;
responsive to the requesting, receiving from the second device the authorization to enable the function for conducting the financial transaction;
responsive to receiving the authorization, enabling the function for conducting the financial transaction; and

responsive to the wireless device satisfying a proximity condition relative to an entity and responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product.

23. The wireless device of Claim 22, wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one while disabling a function of the wireless device.

24. The wireless device of Claim 22, wherein the operations further comprise: causing a function for conducting the financial transaction to be enabled at the second device.

25. The wireless device of Claim 22, wherein the wireless device comprises a smartphone.

26. The wireless device of Claim 22, wherein said conducting the financial transaction by paying for a product comprises:

- establishing by the wireless device a short-range wireless link with the entity;
- wirelessly transmitting information to the entity using unlicensed frequencies; and
- wirelessly receiving information from the entity using unlicensed frequencies;

wherein said wirelessly transmitting and said wirelessly receiving comprises using a time domain duplex protocol; and

wherein said establishing by the wireless device a short-range wireless link with the entity comprises establishing the short-range wireless link with the entity responsive to the wireless device satisfying a proximity condition relative to the entity and responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion.

27. The wireless device of Claim 22, wherein said requesting from a second device an authorization to enable a function for conducting a financial transaction and/or said receiving from the second device the authorization to enable the function for conducting the financial transaction comprises:

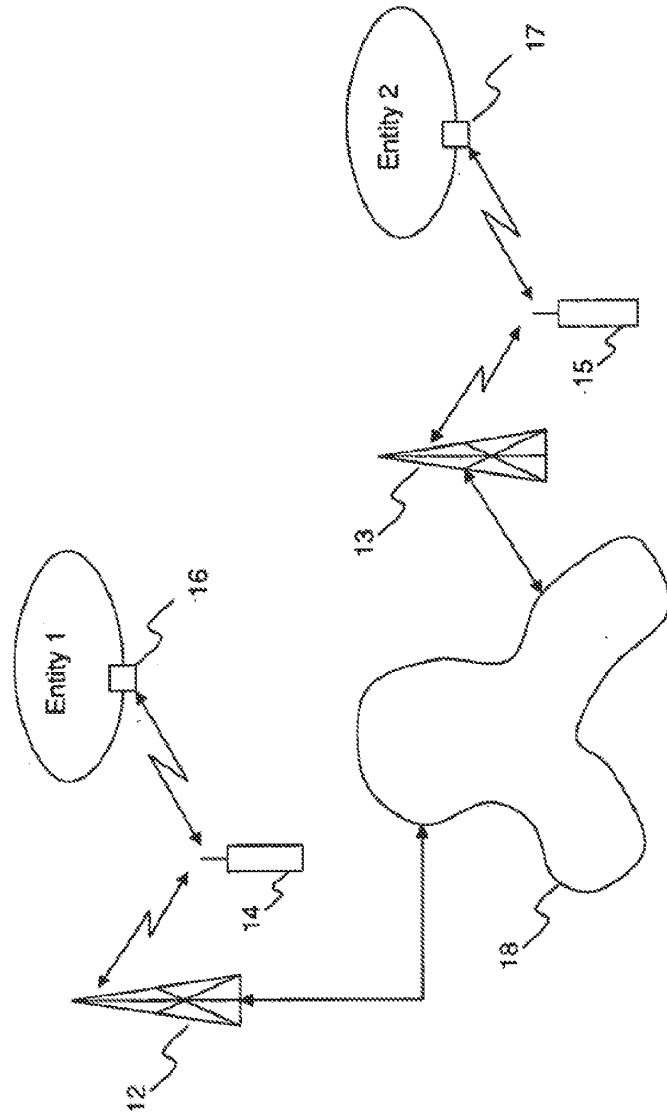
establishing by the wireless device a link with the second device, comprising a wireless link that comprises a distance that is greater than a distance associated with the proximity condition;

wirelessly transmitting information to the second device over said wireless link using unlicensed and/or licensed frequencies; and

wirelessly receiving information from the second device over said wireless link using unlicensed and/or licensed frequencies;

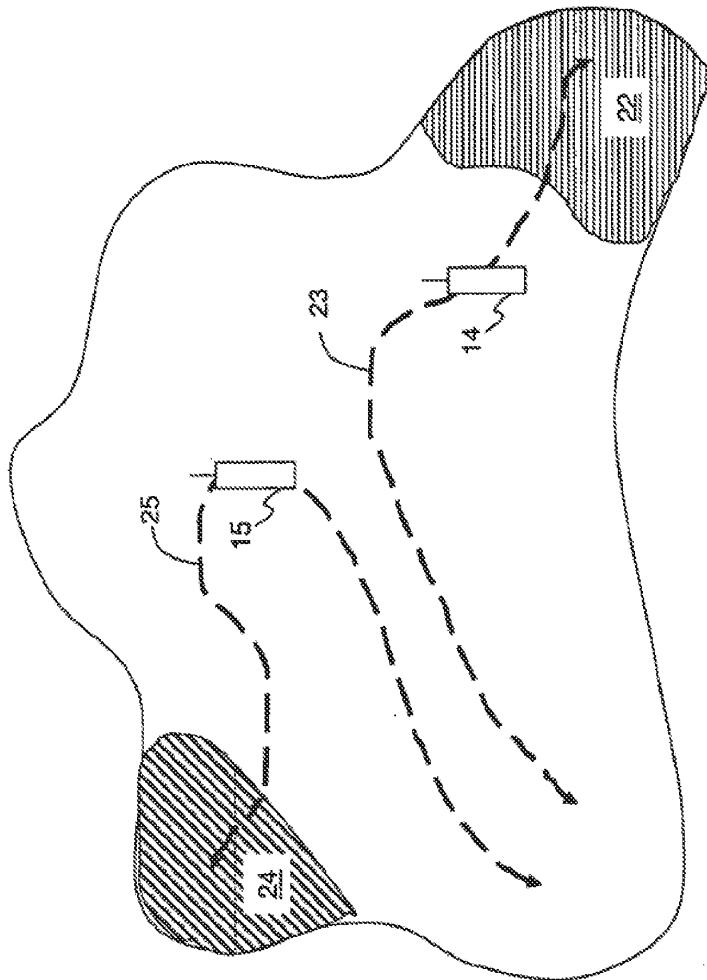
wherein said wirelessly transmitting and/or said wirelessly receiving comprises using an orthogonal frequency division multiplexing and/or orthogonal frequency division multiple access protocol; and

wherein said establishing by the wireless device a link with the second device comprises establishing the link with the second device responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion.



10

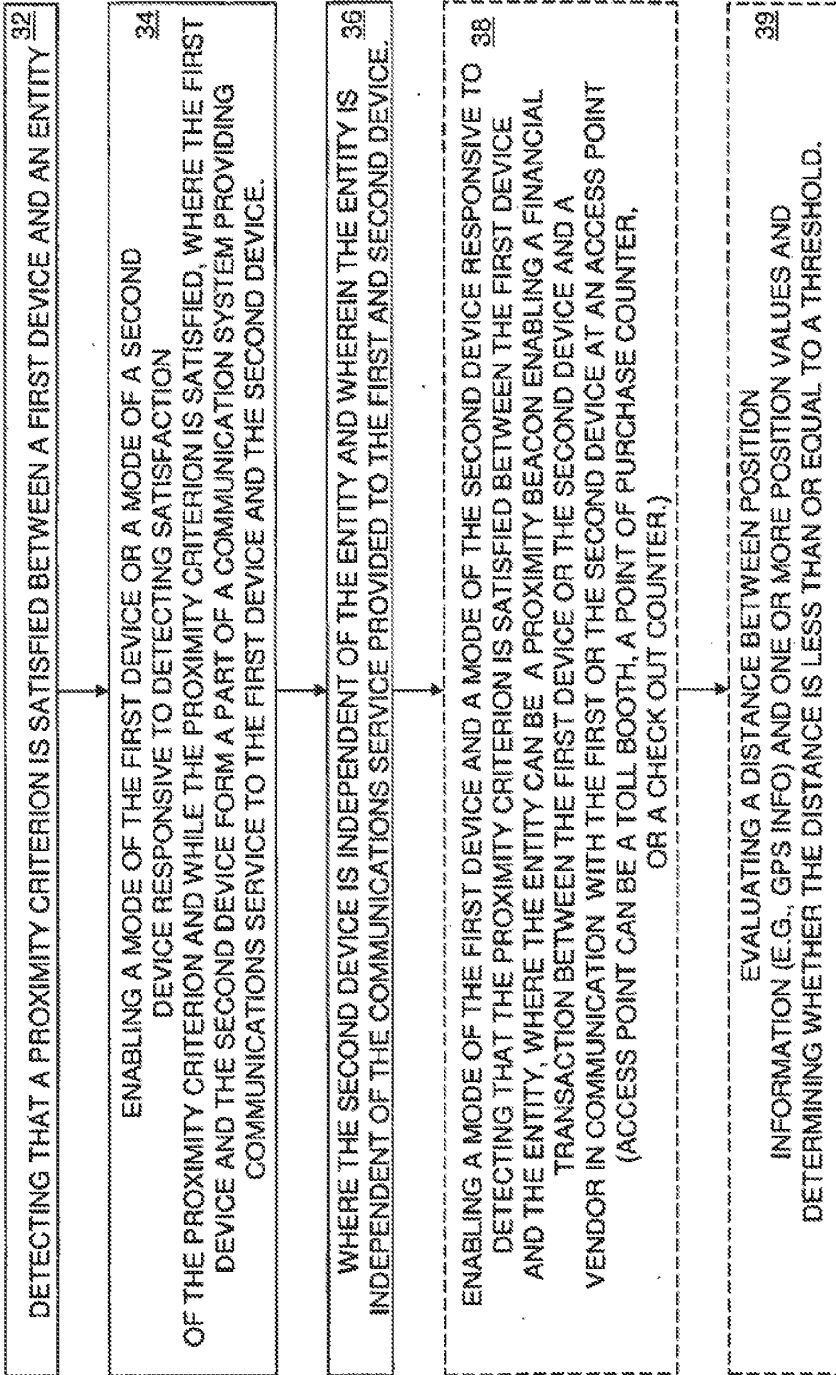
FIG. 1



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FIG. 2

FIG. 3 30



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		2023-08-16
	First Named Inventor	Peter D. Karabinis	
	Art Unit		
	Examiner Name		
	Attorney Docket Number		1348.002US8

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	6595929	B2	2003-07-22	Stivoric et al.	
	2	6769607	B1	2004-08-03	Pitroda et al.	
	3	6944981	B1	2005-09-20	Garberg et al.	
	4	6957107	B2	2005-10-18	Rogers et al.	
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	6	7133659	B2	2006-11-07	Zalewski et al.	
	7	7155199	B2	2006-12-26	Zalewski et al.	
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	Art Unit		
	Examiner Name		
	Attorney Docket Number		1348.002US8

	9	7539241	B1	2009-05-26	Dick	
	10	7624923	B2	2009-12-01	Clark et al.	
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	Art Unit			
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	Attorney Docket Number		1348.002US8	

	20	8965281	B2	2015-02-24	Raisanen et al.	
	21	RE39736		2007-07-17	Morrill Jr.	

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U.S.PATENT APPLICATION PUBLICATIONS

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
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	2	20030172028	A1	2003-09-11	Abell et al.	
	3	20030220105	A1	2003-11-27	Daigremont et al.	
	4	20040030601	A1	2004-02-12	Pond et al.	
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	22	20070243872	A1	2007-10-18	Gallagher et al.	
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	26	20070285280	A1	2007-12-13	Robinson et al.	
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	29	20080140868	A1	2008-06-12	Kalayjian et al.	

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	35	20090023474	A1	2009-01-22	Luo et al.	
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41	20100067591	A1	2010-03-18	Luo et al.	
42	20100265845	A1	2010-10-21	Lampén	
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FOREIGN PATENT DOCUMENTS

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	1							<input type="checkbox"/>

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NON-PATENT LITERATURE DOCUMENTS

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	"Digital wallet" Wikipedia (4 pages) (Printed on July 10, 2017)	<input type="checkbox"/>

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	Examiner Name		
	Attorney Docket Number	1348.002US8	

2	"What Are Physiological Biometrics?" THALES, Mar. 2023, www.thalesgroup.com/en/markets/digital-identity-and-security/government/inspired/what-are-physiological-biometrics#:~:text=A%20fingerprint%20is%20an%20example,and%20characteristics%20of%20your%20body. Accessed 20 Jun. 2023.	<input type="checkbox"/>
3	International Search Report and Written Opinion of the International Searching Authority for corresponding PCT Application No. PCT/US09/062792 (8 pages) (December 23, 2009)	<input type="checkbox"/>
4	U.S. PATENT AND TRADEMARK OFFICE, "Final Office Action", Application Serial No. 15/929,609, 06/09/2021, 17 pgs.	<input type="checkbox"/>
5	U.S. PATENT AND TRADEMARK OFFICE, "Final Rejection", Application Serial No. 16/012,513, 12/11/2018, pp. 1-10	<input type="checkbox"/>
6	U.S. PATENT AND TRADEMARK OFFICE, "Final Rejection", Application Serial No. 16/012,513, 12/19/2019, pp. 1-14	<input type="checkbox"/>
7	U.S. PATENT AND TRADEMARK OFFICE, "Final Rejection", Application Serial No. 16/251,834, 12/17/2019, pp. 1-14	<input type="checkbox"/>
8	U.S. PATENT AND TRADEMARK OFFICE, "Non-Final Office Action", Application Serial No. 17/653,748, 06/08/2023, 19 pgs.	<input type="checkbox"/>
9	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 15/929,609, December 9, 2021, 4 pgs.	<input type="checkbox"/>
10	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 16/012,513, 03/26/2020, Pgs. 1-12	<input type="checkbox"/>
11	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 16/251,834, 04/22/2020, Pgs. 1-9	<input type="checkbox"/>
12	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 17/653,748, July 17, 2023, 9 pgs.	<input type="checkbox"/>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
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	Art Unit		
	Examiner Name		
	Attorney Docket Number		1348.002US8

13	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 15/929,609, 06/09/2021, 18 pgs.	<input type="checkbox"/>
14	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 15/929,609, 12/01/2020, 16 pgs.	<input type="checkbox"/>
15	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 16/012,513, 04/12/2019, pp. 1-11	<input type="checkbox"/>
16	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 16/012,513, 07/31/2018, pp. 1-8	<input type="checkbox"/>
17	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 16/251,834, 5/9/2019, pp. 1-10	<input type="checkbox"/>
18	U.S. PATENT AND TRADEMARK OFFICE, "Supplemental Notice of Allowability", Application Serial No. 17/653,748, July 28, 2023, 4 pgs.	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*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		
	Filing Date		2023-08-16
	First Named Inventor	Peter D. Karabinis	
	Art Unit		
	Examiner Name		
	Attorney Docket Number		1348.002US8

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	/Aaron Pederson/	Date (YYYY-MM-DD)	2023-08-16
Name/Print	Aaron Pederson	Registration Number	58607

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 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.



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/450,517

RECEIPT DATE / TIME
08/16/2023 11:35:06 AM ET

ATTORNEY DOCKET #
1348.002US8

Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A
PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 6221

FILED BY Sage Kruse

PATENT CENTER # 62623446

FILING DATE -

CUSTOMER # 138517

FIRST NAMED INVENTOR Peter D. Karabinis

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Aaron Pederson

Documents

TOTAL DOCUMENTS: 8

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
generatedADS62623446.pdf	6	Application Data Sheet	151 KB
Specification1348002US8-APP.TEXT.docx	26	Application body structured text document	50 KB
Drawings1348002US8.pdf	3	Drawings-only black and white line drawings	126 KB
Specification1348002US8.pdf	26	Auxiliary PDF of Application	143 KB
Declarations1348002US8.pdf	2	Oath or Declaration filed	1993 KB
TransIDS1348002US8.pdf	2	Transmittal Letter	74 KB

IDS1348002US8.pdf	11	Information Disclosure Statement (IDS) Form (SB08)	1255 KB
POA1348002US8.pdf	2	Power of Attorney	388 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
generatedADS62623446.pdf	76509B80BA8737DDC01FFDC8CC4CECD075ED5DEAAA5EC2496256DA4F8EDD54D142934E188B5DA7F2B2284CED06D7664CD0595463F70643CB692677B6DF23FCBC
Specification1348002US8-APP.TEXT.docx	4DD2D6C28216D34B5337371F691FD9203388AB5387FFA74A564BA7EE92EEFB07E830A78B82B8B2CFB0285FD196172575CDF5DE8F9B05E0FF97CC0B606ABA3058
Drawings1348002US8.pdf	B2E934320B69154C30651E95760BBC2F6D72E58BE64C7DA9432E4C7B28247608C67A55E8C5E702FA9EADE0B76996E963BD9B2B8CAD383E0B2DA68B8C064EEE99
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POA1348002US8.pdf	28B3CE481936574DB7B1C8D6B0A982DAF3F74F7D165E55022

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469EC209E883407FDC89594AF12A275

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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

P.O. Box 1450
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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
18/450,517

RECEIPT DATE / TIME
08/16/2023 11:35:06 AM ET

ATTORNEY DOCKET #
1348.002US8

Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A
PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6221	FILED BY	Sage Kruse
PATENT CENTER #	62623446	AUTHORIZED BY	Aaron Pederson
CUSTOMER #	138517	FILING DATE	-
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Peter D. Karabinis

Payment Information

PAYMENT METHOD
DA / 502880

PAYMENT TRANSACTION ID
E20238FB36188174

PAYMENT AUTHORIZED BY
Sage Kruse

PRE-AUTHORIZED ACCOUNT
502880

PRE-AUTHORIZED CATEGORY
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)

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2202	EACH CLAIM IN EXCESS OF 20	40.00	7	280.00
2201	EACH INDEPENDENT CLAIM IN EXCESS OF THREE	192.00	1	192.00
2111	UTILITY PATENT APPL. SEARCH FEE	280.00	1	280.00
4011	BASIC FILING FEE- UTILITY	64.00	1	64.00

2311	EXAMINATION OF ORIGINAL PATENT APPLICATION	320.00	1	320.00
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TOTAL AMOUNT:	\$1,136.00
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New Applications Under 35 U.S.C. 111

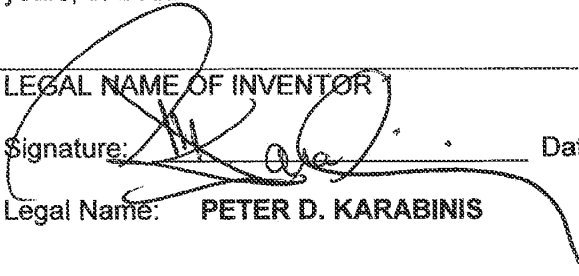
If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

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.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION
As a below named inventor, I hereby declare that:	
This declaration is directed to: <input type="checkbox"/> The attached application, or <input type="checkbox"/> United States application or PCT international application number _____ filed on _____, <input type="checkbox"/> As amended on _____ (if applicable).	
The above-identified application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.	
I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
LEGAL NAME OF INVENTOR	
Signature: 	Date: 7/26/2016
Legal Name: PETER D. KARABINIS	

APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION
-----------------------	--

As a below named inventor, I hereby declare that:

This declaration is directed to: The attached application, or
United States application or PCT international application number
_____ filed on _____,
As amended on _____ (if applicable).

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR 2

Signature: Rajendra Singh Date: JULY 26, 2016

Legal Name: RAJENDRA SINGH

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NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	
Filing Date	August 16, 2023
First Named Inventor	Peter D. Karabinis
Title	MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER
Art Unit	
Examiner Name	
Attorney Docket Number	1348.002US8

SIGNATURE of Applicant or Patent Practitioner

Signature	/Aaron Pederson/	Date (Optional)	2023-08-16
Name	Aaron Pederson	Registration Number	58607
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

*Total of _____ forms are submitted.

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0035. Public burden for this form is estimated to average 3 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.** If filing this completed form by mail, 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.

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

- I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 138517
- OR**
- I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

- The address associated with the above-mentioned Customer Number
- OR**
- The address associated with Customer Number:
- OR**

<input type="checkbox"/>	Firm or Individual Name				
Address					
City		State		Zip	
Country					
Telephone			Email		

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

Telcom Ventures LLC

- Inventor or Joint Inventor (title not required below)
- Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature		Date (Optional)	6-25-2019
Name	Serge G. Martin		
Title	Executive Vice President - Telcom Ventures LLC		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 3 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.

**MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO
SENSING A PHYSIOLOGICAL PARAMETER**

Cross-Reference to Related Application

[0001] The present application is a continuation of U.S. Application No. 17/653,748, filed March 7, 2022, which is itself a continuation of U.S. Application No. 15/929,609, filed May 12, 2020, now U.S. Patent No. 11,304,118, which is itself a continuation of U.S. Application No. 16/012,513, filed June 19, 2018, now U.S. Patent No. 10,660,015, which is itself a divisional of U.S. Application No. 15/800,885, filed November 1, 2017, now U.S. Patent No. 10,219,199, which is itself a continuation of U.S. Application No. 15/251,882, filed August 30, 2016, now U.S. Patent No. 9,832,708, which is itself a continuation of U.S. Application No. 12/264,711, filed November 4, 2008, now U.S. Patent No. 9,462,411. The disclosures of which are hereby incorporated herein by reference as if set forth fully herein.

Field of the Invention

[0002] This invention relates to systems, devices and/or methods that may be used to provide an adaptive enablement of one or more communications modes based upon having satisfied a proximity criterion. The one or more communications modes may be one or more wireless and/or non-wireless communications modes.

Background of the Invention

[0003] Adaptivity and mobility aspects of wireless communications are becoming more important in people's lives. People are relying more and more on mobile wireless devices to perform an ever-increasing suite of functions such as, for example, navigation, e-mail, web surfing, streaming video, etc. However, there is a rigidity aspect that is associated with wireless mobile devices in that a wireless mobile device is typically configured to be capable of performing a predetermined number of functions independent of its location, Time-of-Day (ToD), velocity, acceleration, temperature, sensing of a signal, etc. It would, for example, be desirable

to have a mobile wireless device act as a “wallet” (over and above other functions) only when it is time to pay for an item and not act as a wallet when there is no need to do so.

[0004] The present invention, addresses these limitations (i.e., the rigidity) of current wireless mobile devices. Accordingly, embodiments of the present invention provide systems, devices and/or methods that may be used to enable adaptively one or more modes/functions of a device based upon having satisfied by the device (or another device) a proximity condition/criterion.

[0005] As used herein, the term “end-user device,” “wireless mobile device,” “mobile wireless device” or simply “device” includes any electronic device that may be used to transmit/receive information wirelessly and/or non-wirelessly such as, for example, a Digital Subscriber Line (DSL) modem/transceiver; a cable modem/transceiver; a cellular and/or satellite radiotelephone with or without a multi-line display; Personal Communications System (PCS) terminals that may combine a radiotelephone with data processing, facsimile and/or data communications capabilities; Personal Digital Assistants (PDA) that can include a radio frequency transceiver and/or a pager, Internet/Intranet access, Web browser, organizer, calendar and/or a global positioning system (GPS) receiver; laptop and/or palmtop computers or other appliances, which may (or may not) include a radio frequency transceiver.

[0006] An end-user device also may be referred to herein as a radiotelephone, radioterminal, mobile terminal, user device, wireless device, device and/or terminal; etc. As used herein, the term end-user device and/or any of its synonyms also include(s) any other radiating device/equipment/source that may have time-varying or fixed geographic coordinates and/or may be portable, transportable, installed in a vehicle (aeronautical, maritime, or land-based) and/or situated and/or configured to operate locally and/or in a distributed fashion over one or more terrestrial and/or extra-terrestrial location(s).

Brief Description of the Drawings

[0007] FIG. 1 depicts a communication system that detects a proximity criterion in accordance with the claimed embodiments;

[0008] FIG. 2 depicts another communication system that detects a proximity criterion in accordance with the claimed embodiments;

[0009] FIG. 3 is a flow chart illustrating a method of detecting proximity criterion and enabling functions or modes on devices in accordance with the claimed embodiments.

Detailed Description

[00010] The present invention now will be described more fully hereinafter with reference to specific embodiments and/or the accompanying drawing(s), in which embodiments of the invention are shown. This invention may, however, be embodied in many different forms and should not be construed as limited to the embodiments set forth herein. Rather, these embodiments are provided so that this disclosure will be thorough and complete, and will fully convey the scope of the invention to those skilled in the art.

[00011] It will be understood that when an element is referred to as being "connected," "coupled" and/or "responsive" to another element, it can be directly connected, coupled and/or responsive to the other element or intervening elements may be present. Furthermore, "connected," "coupled" and/or "responsive" as used herein may include wirelessly connected, coupled and/or responsive. The terminology used herein is for the purpose of describing particular embodiments only and is not intended to be limiting of the invention. As used herein, the singular forms "a," "an" and/or "the" are intended to include the plural forms as well, unless expressly stated otherwise. It will be further understood that the terms "includes," "comprises," "including" and/or "comprising," when used in this specification, specify the presence of stated features, integers, steps, operations, elements, and/or components, but do not preclude the presence and/or addition of one or more other features, integers, steps, operations, elements, components, and/or groups thereof.

[00012] Unless otherwise defined, all terms (including technical and scientific terms) used herein have the same meaning as commonly understood by one of ordinary skill in the art to which this invention belongs. It will be further understood that terms, such as those defined in commonly used dictionaries, should be interpreted

as having a meaning that is consistent with their meaning in the context of the relevant art and the present disclosure, and will not be interpreted in an idealized or overly formal sense unless expressly so defined herein.

[00013] Furthermore, it will be understood that although terms such as, for example, first and second may be used herein to describe various elements, these elements should not be limited by these terms. These terms are only used to distinguish one element from another element. Thus, a first element below could be termed a second element, and similarly, a second element may be termed a first element without departing from the teachings of the present invention. As used herein, the term "and/or" includes any and all combinations of one or more of the associated listed items. The symbol "/" is also used as a shorthand notation for "and/or."

[00014] A mobile device such as, for example, a wireless communications device (e.g., a wireless terminal, a wireless/mobile phone, a Personal Digital Assistant (PDA), a smart phone, a multi-media device including Global Positioning System (GPS) capability, etc.) and/or one or more systems that is/are providing service to the mobile device and/or to a device other than the mobile device, may be configured to enable one or more modes/functions of the mobile device and/or of the device other than the mobile device, responsive to a proximity criterion having been satisfied.

[00015] In some embodiments, determining whether the proximity criterion is satisfied comprises determining by the mobile device and/or by the one or more systems of a location associated with the mobile device. In other embodiments, determining whether the proximity criterion is satisfied comprises determining by the device other than the mobile device and/or by the one or more systems of a location that is associated with the device other than the mobile device. The determining by the mobile device, by the device other than the mobile device and/or by the one or more systems may, in some embodiments, comprise reception and/or processing of GPS signals in order to determine a Time-of-Day (ToD), Time-of-Month (ToM), Time-of-Year (ToY), velocity, acceleration and/or position (in three-dimensional space). In other embodiments, the determining may be based upon the mobile device and/or the device other than the mobile device detecting a signal that is being radiated

by a device that is attached to and/or is installed in/on an entity (i.e., a device that is associated with the entity). In still further embodiments, the device other than the mobile device may send a message to the mobile device requesting enablement of one or more modes/functions of the mobile device and/or of the device other than the mobile device and, responsive to an affirmative response by the mobile device, the mobile device and/or the device other than the mobile device may enable the one or more modes/functions of the mobile device and/or of the device other than the mobile device.

[00016] The entity may, for example, be a person, an animal, a vehicle (ground-based, maritime and/or aeronautical), a building (residential, commercial and/or office), a product that is for sale, a store that sells one or more products, a check-out counter in a store, a shopping cart that may be used by a customer to carry one or more products selected by the customer for purchase, one or more locations in time and/or space, a geographic area and/or a multi-dimensional region in time and/or space.

[00017] The signal that is being radiated by the device that is attached to and/or is installed in the entity may include an element that may be *a priori* known by the mobile device and/or by the device other than the mobile device. As such, according to some embodiments, the mobile device and/or the device other than the mobile device may, when proximate to the entity, receive the signal that is being radiated by the device that is attached to and/or is installed in the entity, detect the element that may be *a priori* known by the mobile device and/or by the device other than the mobile device and thus determine that the mobile device and/or the device other than the mobile device is proximate to the entity.

[00018] It will be understood that the signal that is being radiated by the device that is attached to and/or is installed in the entity may be radiated at a relatively low power level so that it may be detected by the mobile device and/or by the device other than the mobile device only over a relatively small distance between, for example, the mobile device and the device that is attached to and/or is installed in the entity (e.g., over a distance that is, for example, less than 100 meters, in some embodiments or less than 10 meters, in other embodiments). It will also be understood that the

element that may be *a priori* known by the mobile device and/or by the device other than the mobile device may comprise an identity associated with the entity. In some embodiments, the identity may comprise a number, a word/name, a location, a Time-of-Day (ToD), a unique code, a region of space and/or time, etc.

[00019] According to some embodiments, the mobile device and/or the device other than the mobile device may be configured so that a user of the mobile device and/or a user of the device other than the mobile device, a service provider providing service to the mobile device and/or providing service to the device other than the mobile device and/or a manufacturer of the mobile device and/or the device other than the mobile device may program the mobile device and/or the device other than the mobile device to recognize the element and/or the identity associated with the entity.

[00020] A number of examples/applications of the concepts disclosed above will now be described to further illustrate the scope and spirit of the present invention to those skilled in the art.

[00021] **Example/Application No. 1:** A motor vehicle, such as, for example, a car, may be configured with a low-power radiator that radiates a signal that includes an identity of the motor vehicle, a velocity of the motor vehicle, an acceleration of the motor vehicle, a position of the motor vehicle, a Time-of-Day (ToD), a Time-of-Month (ToM), a Time-of-Year (ToY) and/or an indication of a content of the motor vehicle. Now imagine a person who is associated with the motor vehicle (e.g., an owner/driver of the motor vehicle) is approaching the motor vehicle. Let us assume that the person who is approaching the motor vehicle and is associated with the motor vehicle carries a wireless communications device. The wireless communications device may be configured to sense the signal that is being radiated by the low-power radiator, detect the identity of the motor vehicle and compare the detected identity with one or more *a priori* identities that are stored in the wireless communications device. If a match is found, the communications device may be configured to selectively enable, responsive to the match, for example, a “pay toll” function. Accordingly, as the motor vehicle approaches an access point that is configured to radiate a signal associated with toll collection, the communications device, responsive

to having detected the signal associated with toll collection, may be configured to transmit information that may be used by the access point and/or by an associated toll collection system that may be connected to the access point to debit an account that is associated with a user and/or owner of the communications device. In further embodiments of the present invention, if the match is found, the communications device may be configured to selectively enable, responsive to the match and responsive to a velocity of the motor vehicle, an acceleration of the motor vehicle, a position of the motor vehicle, a Time-of-Day (ToD), a Time-of-Month (ToM), a Time-of-Year (ToY) and/or a content of the motor vehicle, for example, the “pay toll” function. It will be understood that the velocity of the motor vehicle, the acceleration of the motor vehicle, the position of the motor vehicle, the ToD, the ToM and/or the ToY may be provided by the communications device (based on GPS signal processing, and/or based on any other means, that may be performed/implemented by the communications device and/or by a network that may be providing service to the communications device) and/or by the motor vehicle.

[00022] The wireless communications device may be configured to keep the pay toll function enabled for as long as the wireless communications device is able to sense the signal that is being radiated by the low-power radiator (i.e., the signal that includes an identity of the motor vehicle) and to selectively disable the pay toll function a short time after the wireless communications device is no longer able to sense the signal that is being radiated by the low-power radiator. In further embodiments, the wireless communications device may be configured to keep the pay toll function enabled as long as the wireless communications device is able to sense the signal that is being radiated by the low-power radiator and a specific value (or values) associated with at least one of a velocity of the motor vehicle, an acceleration of the motor vehicle, a position of the motor vehicle, a ToD, a ToM, a ToY and a content of the motor vehicle is/are being met/satisfied.

[00023] In accordance with some embodiments, even though the wireless communications device does not find a match but is able to sense the signal that is being radiated by the low-power radiator, the wireless communications device may be configured to provide a notification (e.g., a sound, a vibration, a light and/or an alpha-

numeric display, etc.). Responsive to the notification, a user of the wireless communications device may instruct (for example, manually or via voice command) the wireless communications device to enable the pay toll function.

[00024] In further embodiments, a second wireless communications device that belongs to and/or is being used by a second person, senses a signal and, responsive to having sensed the signal (whether a match is found or not) sends a request selectively to a first wireless communications device. Responsive to the request, the first wireless communications device sends an acknowledgement and/or an authorization to the second wireless communications device. Responsive to the acknowledgement and/or authorization the second wireless communications device selectively enables a mode which, according to some embodiments, is the pay toll function. It will be understood that the first and second wireless communications devices may, according to some embodiments, be predetermined to function as described above. That is, the first wireless communications device acting as a “master” and the second wireless communications device acting as a “slave” in that the second wireless communications device is configured to enable a mode/function thereof responsive to a detection/match and responsive to receiving an authorization from the first wireless communications device. If the mode/function comprises paying for a transaction, an amount of money associated with the paying may be deducted/withdrawn from an account associated with an owner/user of the first wireless communications device.

[00025] Thus, according to some embodiments, the first wireless communications device functions independently and/or autonomously whereas the second wireless communications device functions dependently on the first wireless communications device, at least as far as at least one of its modes/functions is concerned. The master-slave relationship between the first and second wireless communications devices may, according to some embodiments, be predetermined. In other embodiments, the master-slave relationship may not be predetermined and may be negotiated and/or established, as a need for such a relationship arises, by exchanging information between the first and second wireless communications devices. It will be understood that, in some embodiments, at least one of the first and second wireless communications devices may not be a wireless communications device.

[00026] **Example/Application No. 2:** A wireless communications device may be configured to estimate a location associated therewith and may also be configured to estimate a value of at least one other parameter that may be associated with the wireless communications device, an environment thereof and/or an entity (living or otherwise) that is associated with and/or is proximate to the wireless communications device. The “at least one other parameter” may, for example, be a velocity, acceleration, ToD, ToM, ToY, humidity, temperature, height, level of brightness, level of darkness, a blood pressure, a heart rate, a blood content, a physiological state, a psychological state, etc. As those skilled in the art will appreciate, the wireless communications device may be configured to estimate its location and the value of the “at least one other parameter” by, for example, processing GPS signals and/or by using other means and/or sensors that may, according to some embodiments, be device-based and/or network assisted/based means and/or sensors.

[00027] According to some embodiments, the wireless communications device may be configured to make a comparison between an estimate of its location and one or more other locations, that may be one or more other predetermined and/or pre-stored locations, and the wireless communications device may be configured to selectively enable a first communications mode/function responsive to an outcome of the comparison and/or to selectively disable a second communications mode/function responsive to the outcome of the comparison. In other embodiments, the wireless communications device may be configured to selectively enable the first communications mode/function responsive to the outcome of the comparison and/or responsive to a value of another parameter, such as, for example, a value associated with the “at least one other parameter” list and/or selectively disable the second communications mode/function responsive to the outcome of the comparison and/or responsive to a value of another parameter, such as, for example, a value associated with the “at least one other parameter” list.

[00028] For example, in some embodiments, if a comparison between an estimate of location of the wireless communications device and the one or more locations that are predetermined and/or pre-stored reveals a distance therebetween that is less than or equal to a threshold, the wireless communications device may be configured to

selectively and/or preferentially enable a first communications mode, that may be one communications mode of a plurality of communications modes, that uses, for example, a first air interface protocol and a first set of frequencies to communicate information wirelessly (wherein the first set of frequencies may be a predetermined first set of frequencies), while refraining from using (and/or using only infrequently and/or as a last resort depending on an emergency, need and/or a priority) a second communications mode, of the plurality of communications modes, comprising a second set of frequencies and/or a second air interface protocol. In some embodiments, refraining from using (and/or using only infrequently and/or as a last resort depending on an emergency, need and/or a priority) a second communications mode comprises selectively and/or preferentially disabling the second communications mode that uses, for example, the second air interface protocol and/or the second set of frequencies. It will be understood that, according to some embodiments, the first and/or second air interface protocols may be predetermined and that the first and/or second set of frequencies may also be predetermined. In further embodiments, at least one of the first air interface protocol, the second air interface protocol, the first set of frequencies and the second set of frequencies may not be predetermined and may be determined as required responsive to receiving a message, sensing/detecting at least a portion of an electro-magnet spectrum and/or via other means such as, for example, a user choice/preference/command.

[00029] In some embodiments, the first communications mode may comprise an air interface protocol, such as, for example, an Orthogonal Frequency Division Multiplexed and/or an Orthogonal Frequency Division Multiple Access (OFDM/OFDMA) protocol, a WiFi- and/or WiMAX-based air interface protocol that may be based upon Time Division Duplex (TDD) operation wherein a common set of frequencies are used bi-directionally (at different times) to provide uplink and downlink communications, and the first and/or second set of frequencies may comprise, for example, an un-licensed use and/or a licensed use set of frequencies.

[00030] In further embodiments, the wireless communications device may further be configured to selectively enable (or to prefer) a first communications mode and/or to selectively refrain from using (or avoid from using unless a level of priority and/or

other reason is provided) a second communications mode, responsive to the comparison of position that was discussed earlier and/or responsive to a value of a quantity/parameter, such as, for example, a value associated with the “at least one other parameter” and/or responsive to an event (man-caused or natural). The first communications mode may comprise a first air interface protocol and a first set of frequencies for transmission/reception of information and the second communications mode may comprise a second air interface protocol, that may be different from the first air interface protocol, and/or a second set of frequencies for transmission and/or reception of information that may be different (or at least partially different) from the first set of frequencies.

[00031] The wireless communications device may be configured to repeatedly make a decision based on the comparison of position that was discussed earlier, based on the value of a quantity/parameter, such as, for example, a value associated with the “at least one other parameter” and/or based on the event (man-caused and/or natural), to maintain the first communications mode enabled and/or to maintain the second communications mode disabled for as long as the comparison of position, the value of the quantity/parameter and/or the event (man-caused and/or natural) continues to satisfy a threshold criterion and to disable the first communications mode and/or enable the second communications mode after the wireless communications device determines that the comparison of position, the value of the quantity/parameter and/or the event no longer satisfies the threshold criterion.

[00032] In further embodiments, responsive to the comparison of position, the value of the quantity/parameter and/or the event satisfying the threshold criterion, the wireless communications device may be configured to send information (automatically or upon user command) selectively to one or more other devices that, according to some embodiments, may be predetermined other devices. In still other embodiments, responsive to the comparison of position, the value of the quantity/parameter and/or the event satisfying the threshold criterion, the wireless communications device may be configured to receive information (automatically or upon user command) selectively from one or more other devices that, according to some embodiments, may be predetermined other devices.

[00033] **Example/Application No. 3:** A shopping cart, for example, of the type used in a grocery and/or super-market store, may be configured to sense/detect one or more items that are placed in the shopping cart. As used herein, the term “configured to sense/detect” may, in some embodiments, comprise sensing/detecting, for example, a weight, a manufacturer, an expiration date, a price and/or a nutritional value, etc. associated with the one or more items, wherein the sensing/detecting may be performed based upon any technology, such as, for example, a Radio Frequency (RF) tagging technology, a bar-code technology, an image recognition technology and/or any other technology.

[00034] Each shopping cart may include an identity (e.g., a number). Mr. Jones (a customer), who chooses a shopping cart having as identity a number such as, for example, “8787,” may insert the number 8787 into a wireless communications device that Mr. Jones is carrying/using. Upon inserting the number 8787 into the wireless communications device, the wireless communications device may be configured to selectively establish a communications link, that may, in some embodiments, be a short-range communications link, with the shopping cart having identity 8787. From that time on, as the shopping cart senses/detects the one or more items that are placed in the shopping cart, information associated with the sensing/detecting of the one or more items, including price information associated with the one or more items, is transferred to Mr. Jones’ wireless communications device via the communications link that is selectively established between Mr. Jones’ wireless communications device and shopping cart 8787.

[00035] In the event that Mr. Jones decides to put back on a shelf an item that has been placed in shopping cart 8787, that item is sensed/detected by the shopping cart as having been withdrawn/deleted from the shopping cart and at least some information associated therewith is withdrawn/deleted, or at least changed, from Mr. Jones’ wireless communications device via one or more commands/messages sent to the wireless communications device by the shopping cart, via the communications link.

[00036] When Mr. Jones has finished shopping, Mr. Jones can examine the wireless communications device and may instruct the wireless communications

device to perform a transaction, such as, for example, to pay for the one or more items that Mr. Jones has placed in shopping cart 8787. In some embodiments, the shopping cart including the one or more items and the wireless communications device may need to be proximate to a specific location within the grocery and/or super market store (e.g., proximate to a “check-out” counter/location) before the wireless communications device and/or shopping cart (individually and/or jointly in communication therebetween) may enable a “pay” function by detecting a (short-range) signal that may be transmitted by/from the specific location.

[00037] Other Embodiments: Figures 1 and 2 illustrate further embodiments of the present invention. Additional embodiments may comprise systems and/or methods. For example, in one embodiment as illustrated in FIG. 1, a method in a system 10 is provided comprising: detecting that a proximity criterion is satisfied between a first device 14, such as a mobile subscriber device, and Entity 1; and enabling a mode of the first device and/or a mode of a second device 15 responsive to the detecting; where, according to some embodiments, the second device 15 is not the Entity 1 and is not associated with the Entity 1 and wherein the Entity 1 is not involved in providing a communications service to the first and/or second device. In one particular embodiment, a mobile subscriber device 14 linked to a communications system 18 via base station 12 can enable a function when the device 14 comes within a proximity of Entity 1. The function enabled can be any number of functions at the mobile subscriber device 14 or even at the mobile subscriber device 15. The mobile subscriber device 15 can also be linked to the communications system 18 via a base station 13. The function enabled can be a financial transaction, the transmission of communications, such as data, and/or some other function that may provision the mobile subscriber device 14 and/or the mobile subscriber device 15 with additional functionality not previously available/activated at the respective devices.

[00038] In one embodiment, the detection by mobile subscriber device 14 of a proximity criterion relative to Entity 1 can enable the mobile subscriber device 14 to authorize and complete a financial transaction such as the payment of a toll and/or of an item at a check out line. The same detection by mobile subscriber device 14 of the

proximity criterion relative to Entity 1 can also or alternatively enable the mobile subscriber device 15 to authorize and complete a financial transaction such as the payment of a toll and/or a payment for an item at a check out line. The enablement of the mobile subscriber device 15 may also be contingent on the mobile subscriber device 15 having satisfied a proximity criterion relative to a second entity, such as Entity 2. Thus, the proximity criterion can include various requirements depending on the particular application. The requirements may include at least one of having the device 14 being within a predetermined distance of Entity 1, the device 14 receiving a predetermined signal strength from Entity 1, being at such predetermined distance for a predetermined time interval and receiving a predetermined signal strength during the predetermined time interval. The requirements can also include having device 15 being within a predetermined distance and/or predetermined signal strength of Entity 2, and/or being within such predetermined distance and/or signal strength during a predetermined time interval. It will be understood that at least one of devices 16 and 17, shown in FIG. 1 as being attached to Entity 1 and Entity 2, respectively, may, according to some embodiments, comprise a wireless transmitter and/or receiver.

[00039] According to some embodiments, the detecting may be performed by the first device (i.e., radioterminal 14), by the second device (i.e., radioterminal 15), by a device that is associated with an entity (i.e., device 16 and/or device 17) and/or by a system that is associated with the first and/or second devices (i.e., system 18, base station 12 and/or base station 13). Also, in some embodiments, the enabling may be performed by the first device, by the second device, by a device that is associated with the entity and/or by a system that is associated with the first and/or second devices.

[00040] In some embodiments, the first device comprises a wireless communications device, the second device comprises a wireless communications device and/or the system that is associated with the first and/or second devices comprises a wireless communications system that is configured to provide a communications service to the first and/or second devices.

[00041] In further embodiments, detecting comprises: using position information associated with the first device; using position information associated with the second

device; detecting a signal (and/or a signal strength measurement such as RSSI) that is being radiated by the first device; detecting a signal (and/or a signal strength) that is being radiated by the second device; and/or detecting a signal (and/or a signal strength) that is being radiated by a device that is associated with the entity, wherein using position information may, according to some embodiments, comprise: evaluating a distance between the position information and one or more position values; and determining whether the distance is less than or equal to a threshold. In some embodiments, the one or more position values is/are predetermined.

[00042] In further embodiments, responsive to the enabling, the method comprises performing a function; wherein the function, according to some embodiments, comprises a financial transaction, receiving data and/or transmitting data. In some embodiments, receiving data comprises receiving data selectively from a first unit and wherein transmitting data comprises transmitting data selectively to a second unit. In some embodiments, the first and second units are the same unit, whereas in other embodiments the first and second units are different units. In further embodiments, the first and/or second units may be predetermined units and the first unit may comprise a wireless communications device and/or the second unit may comprise a wireless communications device. In yet further embodiments, the first unit may be associated with an Internet Protocol (IP) address and/or the second unit may be associated with an IP address.

[00043] Referring to FIG. 2, the first device 14 can traverse a path 23 within an overall coverage area 20 and the second device 15 can traverse a path 25 within the overall coverage area 20. The overall coverage area 20 can include areas 22 and 24 that can be associated with respective entities. The entry of the first device 14 within area 22 can selectively enable a mode and/or a function at device 14 and can optionally enable a mode and/or a function at device 15 based, according to some embodiments, on a proximity criterion to area 24. For example, if device 14 owned and/or operated by a user is at a first store within area 22 and the device 15 owned/operated by, for example, the user's spouse is at a second store within area 24, then the user's spouse at device 15 can complete a purchase within area 24 based on the user's presence with device 14 within area 22. Similarly, if the two users at

devices 14 and 15 at respective areas 22 and 24 want to sample music, games and/or even play a game between each other, their respective device can be provisioned for such sampling as long as they stay within the proximity criteria set for each of the respective devices. Once one or the other device goes beyond the respective proximity criterion, the mode and/or function enabling the sampling will be disabled at one or both devices.

[00044] In some embodiments according to the present invention, receiving data comprises receiving a position, a request and/or an acknowledgement and wherein transmitting data comprises transmitting a position, an authorization and/or an acknowledgement.

[00045] In further embodiments according to the present invention, the financial transaction comprises providing payment associated with a toll and/or providing payment associated with a purchase of one or more items.

[00046] In accordance with additional embodiments of the present invention, receiving data comprises receiving data once or repeatedly and transmitting data comprises transmitting data once or repeatedly.

[00047] It will be understood that relative to any one of the plurality of methods described above, the term “entity” may comprise a person, an animal, a building, a motor vehicle, a shopping cart, a product, a check-out counter, a geographic position, a geographic area and/or one or more locations in time and/or space.

[00048] In a further embodiment according to the present invention, a system is provided comprising: a detector that is configured to enable a mode of a first device and/or to enable a mode of a second device responsive to a detection that a proximity criterion is satisfied between the first device and an entity; wherein, according to some embodiments, the second device is not the entity and is not associated with the entity, and wherein, according to further embodiments, the entity is not involved in providing a communications service to the first and/or second device. In some embodiments, the detector is included in, and the detection is performed by, the first device, the second device, a device that is associated with the entity and/or a system that is associated with the first and/or second devices. Similarly, according to some embodiments, the detector is included in, and the mode is enabled by, the first device,

the second device, a device that is associated with the entity and/or a system that is associated with the first and/or second devices.

[00049] Referring to FIG. 3, a flow chart illustrating a method 30 in accordance with an embodiment herein includes detecting that a proximity criterion is satisfied between a first device and an entity at 32. Note, that although the steps described are in a certain order in this embodiment, embodiments contemplated within the scope of the claims are not necessarily limited to a particular order or necessarily include every step described in method 30 and may further include additional steps as may be obvious to one of ordinary skilled in the art. Method 30 can further include enabling a mode of the first device and/or a mode of a second device responsive to detecting satisfaction of the proximity criterion and while the proximity criterion is satisfied at 34, where the first device and the second device form a part of a communication system providing communications service to the first device and the second device. The second device can be independent of the entity and the entity can be independent of the communications service provided to the first and second device at shown at 36. The method at 38 can enable a mode of the first device and a mode of the second device responsive to detecting that the proximity criterion is satisfied between the first device and the entity. The first device and the second device can be mobile subscriber devices (i.e., radioterminals) and the entity can be a proximity beacon enabling a financial transaction between the first device or the second device and a vendor in communication with the first device or the second device at an access point maintained by the vendor or on behalf of the vendor. The access point can be a toll booth, a point of purchase counter, or a check out counter and the first device and the second device can be cellular phones authorized selectively by its user and by satisfying the proximity criterion to proceed with a financial transaction associated with the vendor at the access point. As previously noted, although cellular phones are described, other communication devices are certainly within contemplation of the scope of the claims. The step of detecting can be done in any number of various ways. Detecting can include using position information associated with the first device relative to the entity or using position information of the second device relative to the entity or detecting a signal being radiated by the entity or detecting a

signal being radiating by the first device and reflected by the entity or detecting a signal being radiating by the second device and reflected by the entity. In this regard, the method 30 can further evaluate a distance between the position information and one or more position values and determine whether the distance is less than or equal to a threshold at 39.

[00050] In some embodiments, the first device comprises a wireless communications device and/or the second device comprises a wireless communications device and the system that is associated with the first and/or second devices comprises a wireless communications system.

[00051] In further embodiments, the detection comprises: use of position information associated with the first device; use of position information associated with the second device; a detection of a signal that is being radiated by the first device; a detection of a signal that is being radiated by the second device; and/or a detection of a signal that is being radiated by a device that is associated with the entity. In some embodiments, use of position information comprises: an evaluation of a distance between the position information and one or more position values; and a determination of whether the distance is less than or equal to a threshold. It will be understood, that according to some embodiments of the invention, the one or more position values may be predetermined position values.

[00052] In yet additional embodiments of the present invention, the first device and/or the second device may be configured to perform a function responsive to the mode having been enabled by the detector, wherein, according to some embodiments, the function may comprise a financial transaction, reception of data and/or transmission of data. In some embodiments, reception of data comprises reception of data selectively from a first unit and transmission of data comprises transmission of data selectively to a second unit. In accordance with some embodiments, the first and second units are the same unit and in accordance with other embodiments, the first and second units are different units. It will be understood that in some embodiments the first and/or second units may be first and second predetermined units.

[00053] In yet further embodiments of the invention, the first unit may comprise a wireless communications device and/or the second unit may comprise a wireless

communications device. According to additional embodiments, the first unit is associated with an Internet Protocol (IP) address and/or the second unit is associated with an IP address.

[00054] In some embodiments of the present invention, receiving data comprises receiving a position, a request and/or an acknowledgement and wherein transmitting data comprises transmitting a position, an authorization and/or an acknowledgement. According to other embodiments, the financial transaction comprises a payment of a toll and/or a payment associated with a purchase of one or more items. It will be understood that, in some embodiments, the reception of data comprises reception of data once or repeatedly and that, according to some embodiments, the transmission of data comprises transmission of data once or repeatedly. It will also be understood that according with any one of the embodiments described above (or any combination thereof) the term “entity,” as used therein may comprise a person, an animal, a building, a motor vehicle, a shopping cart, a product that is on sale, a check-out counter, a geographic position, a geographic area and/or one or more locations in time and/or space.

[00055] In some embodiments according to the present invention, a system may comprise the detector, the first device, the second device, the entity, the device that is associated with the entity and/or the system that is associated with the first and/or second devices.

[00056] In the specification, there have been disclosed embodiments and, although specific terms are employed, they are used in a generic and descriptive sense only and not for purposes of limitation. The following claims are provided to set forth, at least in part, the scope of the present invention.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. :
Applicant : Telcom Ventures, LLC
Filed : August 16, 2023
Art Unit :
Examiner :
Confirmation No.:
Docket No. : 1348.002US8
Customer No. : 138517
Title : MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT
RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

INFORMATION DISCLOSURE STATEMENT (IDS)

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

Dear Commissioner:

Pursuant to 37 C.F.R. § 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the filing date of the present application (37 C.F.R. § 1.97(b)(1)).

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), Applicant has not submitted copies of U.S. patents and U.S. patent applications. In accordance with 37 C.F.R. §1.98(a)(2) and §1.98(d), a copy of each foreign patent and/or a copy of each publication, other than U.S. patents and U.S. patent application publications has been provided only for those items listed on the enclosed Form PTO/SB/08 that have not previously been cited by or submitted to the U.S. Patent and Trademark Office in parent application nos., 17/653,748, filed March 7, 2022, 15/929,609, filed

May 12, 2020, 16/012,513, filed June 19, 2018, 15/800,885, filed November 1, 2017,
15/251,882, filed August 30, 2016, and 12/264,711, filed November 4, 2008.

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R.
§ 1.98 and the Examiner is respectfully requested to consider the listed references.

Customer No. 138517

Respectfully submitted,

Date: August 16, 2023

/Aaron W. Pederson/

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UNITED STATES PATENT AND TRADEMARK OFFICE

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Table with 7 columns: APPLICATION NUMBER, FILING or 371(c) DATE, GRP ART UNIT, FIL FEE REC'D, ATTY.DOCKET.NO, TOT CLAIMS, IND CLAIMS. Row 1: 18/450,517, 08/16/2023, 1136, 1348.002US8, 27, 4

CONFIRMATION NO. 6221
FILING RECEIPT

138517
Carlson, Caspers, Vandenburg & Lindquist, P.A.
225 S. Sixth St.
Ste. 4200
Minneapolis, MN 55402



Date Mailed: 09/08/2023

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Peter D. Karabinis, Cary, NC;
Rajendra Singh, Indian Creek Village, FL;

Applicant(s)

Telcom Ventures LLC, Miami, FL;

Power of Attorney: The patent practitioners associated with Customer Number 138517

Domestic Priority data as claimed by applicant

This application is a CON of 17/653,748 03/07/2022
which is a CON of 15/929,609 05/12/2020 PAT 11,304,118
which is a CON of 16/012,513 06/19/2018 PAT 10,660,015
which is a DIV of 15/800,885 11/01/2017 PAT 10,219,199
which is a CON of 15/251,882 08/30/2016 PAT 9,832,708
which is a CON of 12/264,711 11/04/2008 PAT 9,462,411

Foreign Applications for which priority is claimed (You may be eligible to benefit from the Patent Prosecution Highway program at the USPTO. Please see http://www.uspto.gov for more information.) - None. Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 09/05/2023

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 18/450,517**

Projected Publication Date: 12/14/2023

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A
PHYSIOLOGICAL PARAMETER

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative,

page 2 of 4

this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

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This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number
18/450,517

APPLICATION AS FILED - PART I

(Column 1)		(Column 2)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	64		N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	280		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	320		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	27 minus 20 = *	7	x 40 =	280	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	4 minus 3 =	1	x 192 =	192	OR		
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).			0			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	1136		TOTAL	

APPLICATION AS AMENDED - PART II

AMENDMENT A	(Column 1)	(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
Total (37 CFR 1.16(i))	*	Minus **	=	x	=	OR	x	=
Independent (37 CFR 1.16(h))	*	Minus ***	=	x	=	OR	x	=
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
TOTAL ADD'L FEE						OR	TOTAL ADD'L FEE	

AMENDMENT B	(Column 1)	(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
Total (37 CFR 1.16(i))	*	Minus **	=	x	=	OR	x	=
Independent (37 CFR 1.16(h))	*	Minus ***	=	x	=	OR	x	=
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
TOTAL ADD'L FEE						OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** 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 found in the appropriate box in column 1.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 18/450,517
Applicant : Telecom Ventures LLC
Filed : August 16, 2023
Confirmation No.: 6221
Docket No. : 1348.002US8
Customer No. : 138517
Title : MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT
RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

PRELIMINARY AMENDMENT

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

Dear Commissioner:

Please amend the above-identified patent application prior to examination as follows.

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 9 of this paper.

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior version and listings of claims.

Listing of Claims:

1. (Currently Amended) A method comprising:
 - ~~sensing by a device a physiological parameter of a user of the device; then~~
 - determining whether or not the physiological parameter that is sensed satisfies a criterion;
 - ~~[[and]] then~~
 - responsive to determining that the physiological parameter that is sensed satisfies the criterion, selectively enabling a number of one or more first functions of the device while selectively disabling a second function of the device; then
 - repeatedly sensing said value of the physiological parameter and repeatedly deciding, based on comparing the value of the physiological parameter to the criterion, whether or not to maintain enabled said one or more first functions while maintaining disabled said second function; and
 - maintaining enabled said one or more first functions while maintaining disabled said second function responsive to deciding that the value of the physiological parameter satisfies the criterion; or
 - disabling said one or more first functions and enabling said second function responsive to deciding that the value of the physiological parameter no longer satisfies the criterion.

2. (Cancelled)

3. (Currently Amended) The method of Claim 1, further comprising:
 - while said ~~number of one or more first functions~~ is/are enabled, ~~[[by]] responsive to having sensed by the device the physiological parameter and [[by]] responsive to having determined that the physiological parameter that is sensed satisfies the criterion,~~ selectively establishing a master-slave relationship, responsive to a need for such a relationship, and requesting by the

~~device from a second device~~ an authorization to ~~enable~~ establish a function for conducting a financial transaction; then

responsive to the requesting, ~~receiving by the device from the second device~~ the authorization to ~~enable~~ establish the function for conducting the financial transaction; and

responsive to receiving the authorization, ~~enabling~~ establishing ~~at the device~~ the function for conducting the financial transaction;

wherein prior to said establishing the function for conducting the financial transaction, the method comprises enabling a communications mode responsive to sensing the physiological parameter and responsive to determining that the physiological parameter that is sensed satisfies the criterion; and then, selectively requesting said authorization by using the communications mode that is enabled;

wherein said selectively requesting said authorization comprises wirelessly and selectively requesting said authorization using Wi-Fi and/or cellular frequencies; and then receiving said authorization via Wi-Fi and/or cellular frequencies.

4. (Currently Amended) The method of Claim 3, further comprising:

responsive to ~~the device~~ satisfying a proximity condition relative to an entity and responsive to ~~the device~~ sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product.

5-8. (Cancelled)

9. (Currently Amended) A first device that comprises a smartphone and a sensor; wherein the first device is configured to perform operations comprising:

sensing, using the sensor, a physiological parameter of a user of the ~~wireless~~ first device;
then

determining whether or not the physiological parameter that is sensed satisfies a criterion;
[[and]] then

responsive to determining that the physiological parameter that is sensed satisfies the criterion, ~~selectively enabling a number of one or more first~~ functions while ~~selectively disabling a second~~ function; then

~~repeatedly sensing said value of the physiological parameter and repeatedly deciding, based on comparing the value of the physiological parameter to the criterion, whether or not to maintain enabled said one or more first functions while maintaining disabled said second function; and~~

~~maintaining enabled said one or more first functions while maintaining disabled said second function responsive to deciding that the value of the physiological parameter satisfies the criterion; or~~

~~disabling said one or more first functions and enabling said second function responsive to deciding that the value of the physiological parameter no longer satisfies the criterion.~~

10. (Cancelled)

11. (Currently Amended) The first device of Claim 9, wherein the operations further comprise:

while said ~~number of one or more first~~ functions is/are enabled, ~~[[by]] responsive to~~ having sensed the physiological parameter and ~~[[by]] responsive to~~ having determined that the physiological parameter sensed satisfies the criterion, selectively establishing a master-slave relationship with a second device, responsive to a need for such a relationship, by selectively communicating with the second device and requesting from [[a]] the second device an authorization to ~~enable~~ establish at the first device a function for conducting a financial transaction;

responsive to the requesting, receiving from the second device the authorization to ~~enable~~ establish the function for conducting the financial transaction; and

responsive to receiving the authorization, ~~enabling~~ establishing at the first device the function for conducting the financial transaction;

wherein prior to said establishing at the first device the function for conducting the financial transaction, the operations further comprise: enabling a communications mode responsive to sensing the physiological parameter and responsive to determining that the physiological parameter that is sensed satisfies the criterion; and then, selectively requesting said authorization by using said communications mode that is enabled;

wherein said selectively requesting said authorization comprises wirelessly and selectively requesting said authorization using Wi-Fi and/or cellular frequencies; and then receiving said authorization via Wi-Fi and/or cellular frequencies.

12. (Currently Amended) The first device of Claim 11, wherein the operations further comprise:

detecting that a proximity condition relative to an entity has been satisfied;

sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion; and

using the function for conducting the financial transaction and conducting the financial transaction by paying for a product.

13. (Currently Amended) The first device of Claim 11, wherein the operations further comprise:

causing a function for conducting the financial transaction to be ~~enabled~~ established at the second device.

14-15. (Cancelled)

16. (Currently Amended) A method comprising:

sensing ~~by a wireless device~~ a physiological parameter ~~of a user of the wireless device~~; then determining whether or not the physiological parameter that is sensed satisfies a criterion;

then

responsive to the physiological parameter sensed satisfying the criterion, ~~enabling a number of one or more first functions of the wireless device; then~~

~~while said one or more first functions is/are enabled, responsive to having sensed the physiological parameter and responsive to having determined that the physiological parameter that is sensed satisfies the criterion, selectively establishing a master-slave relationship, responsive to a need for such a relationship, and selectively requesting by the wireless device from a second device an authorization to enable establish a function for conducting a financial transaction; then~~

~~responsive to the requesting, receiving by the wireless device from the second device the authorization to enable establish the function for conducting the financial transaction; then~~

~~responsive to receiving the authorization, enabling establishing at the wireless device the function for conducting the financial transaction; and then~~

~~responsive to the wireless device satisfying a proximity condition relative to an entity and responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product.~~

17. (Currently Amended) The method of Claim 16, wherein said enabling ~~a number of one or more first functions of the wireless device~~ comprises enabling ~~a number of one or more first functions of the wireless device that is greater than or equal to one~~ while disabling a ~~second function of the wireless device~~; and wherein the method further comprises:

~~repeatedly sensing said value of the physiological parameter and repeatedly deciding, based on comparing the value of the physiological parameter to the criterion, whether or not to maintain enabled said one or more first functions while maintaining disabled said second function; and~~

~~maintaining enabled said one or more first functions while maintaining disabled said second function responsive to deciding that the value of the physiological parameter satisfies the criterion; or~~

disabling said one or more first functions and enabling said second function responsive to deciding that the value of the physiological parameter no longer satisfies the criterion.

18-21. (Cancelled)

22. (Currently Amended) A wireless device that comprises a smartphone and a sensor, wherein the wireless device is configured to perform operations comprising:
sensing, using the sensor, a physiological parameter of a user of the wireless device; then determining whether or not the physiological parameter that is sensed satisfies a criterion; then responsive to the physiological parameter sensed satisfying the criterion, enabling a number of one or more first functions of the wireless device; then while said one or more first functions is/are enabled, responsive to having sensed the physiological parameter and responsive to having determined that the physiological parameter that is sensed satisfies the criterion, selectively establishing a master-slave relationship, responsive to a need for such a relationship, and selectively requesting from a second device an authorization to enable establish a function for conducting a financial transaction; then responsive to the requesting, receiving from the second device the authorization to enable establish the function for conducting the financial transaction; then responsive to receiving the authorization, enabling establishing at the wireless device the function for conducting the financial transaction; and then responsive to the wireless device satisfying a proximity condition relative to an entity and responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product.

23. (Currently Amended) The wireless device of Claim 22, wherein said enabling a number of one or more first functions of the wireless device comprises enabling a number of one or more first functions of the wireless device that is greater than or equal to one while disabling a

second function of the wireless device; and wherein the operations performed by the wireless device further comprise:

repeatedly sensing said value of the physiological parameter and repeatedly deciding, based on comparing the value of the physiological parameter to the criterion, whether or not to maintain enabled said one or more first functions while maintaining disabled said second function; and

maintaining enabled said one or more first functions while maintaining disabled said second function responsive to deciding that the value of the physiological parameter satisfies the criterion; or

disabling said one or more first functions and enabling said second function responsive to deciding that the value of the physiological parameter no longer satisfies the criterion.

24. (Currently Amended) The wireless device of Claim 22, wherein the operations further comprise:

causing a function for conducting the financial transaction to be ~~enabled~~established at the second device.

25. (Cancelled)

26. (Currently Amended) The wireless device of Claim 22, wherein said conducting the financial transaction by paying for a product comprises:

establishing by the wireless device a short-range wireless link with the entity;
wirelessly transmitting information to the entity using unlicensed frequencies; and
wirelessly receiving information from the entity using unlicensed frequencies;
wherein said wirelessly transmitting and said wirelessly receiving comprises using a time ~~domain~~division duplex protocol; and

wherein said establishing by the wireless device a short-range wireless link with the entity comprises establishing the short-range wireless link with the entity responsive to the wireless device satisfying a proximity condition relative to the entity and responsive to the wireless

device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion.

27. (Currently Amended) The wireless device of Claim 22, wherein said selectively requesting from a second device an authorization to ~~enable~~ establish a function for conducting a financial transaction and/or said receiving from the second device the authorization to ~~enable~~ establish the function for conducting the financial transaction comprises:

establishing by the wireless device a link with the second device, said link comprising a wireless link ~~that comprises a distance that is greater than a distance associated with the proximity condition;~~

wirelessly transmitting information to the second device over said wireless link using unlicensed and/or licensed frequencies; and

wirelessly receiving information from the second device over said wireless link using unlicensed and/or licensed frequencies;

wherein said wirelessly transmitting and/or said wirelessly receiving comprises using an orthogonal frequency division multiplexing and/or orthogonal frequency division multiple access protocol; and

wherein said establishing by the wireless device a link with the second device comprises establishing the link with the second device responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US8

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	7295846	B2	2007-11-13	Daigremont et al.	
	2	7505941	B2	2009-03-17	Bishop et al.	
	3	8050337	B2	2011-11-01	Karabinis	
	4	8665062	B2	2014-03-04	Bragagnini et al.	

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	1	20050136949	A1	2005-06-23	Barnes	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18450517	
	Filing Date		2023-08-16	
	First Named Inventor	Peter D. Karabinis		
	Art Unit			
	Examiner Name			
	Attorney Docket Number		1348.002US8	

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	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							<input type="checkbox"/>

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NON-PATENT LITERATURE DOCUMENTS

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	Caen, the city where you pay and get information by taking out your cell phone. 01net.com. 20 October 2005. Retrieved on 4 October 2023 from https://www.01net.com/actualites/caen-la-ville-ou-lon-payee-et-sinforme-en-sortant-son-portable-292660.html	<input type="checkbox"/>
	2	Google search results, "when did apple introduce the fingerprint sensor on the iphone?", https://www.google.com/search?q=when+did+apple+introduce+the+fingerprint+sensor+on+the+iphone%3F&rlz=1C5CHFA_enUS1053US1053&oq=&aqs=chrome.0.69i59i450l8.2238j0j15&sourceid=chrome&ie=UTF-8 . Searched 17 Oct. 2023.	<input type="checkbox"/>
	3	Google search results, "When was the first iphone released", https://www.google.com/search?q=when+was+the+first+iphone+released&rlz=1C5CHFA_enUS1053US1053&oq=&aqs=chrome.0.69i59i450l8.11471j0j15&sourceid=chrome&ie=UTF-8#vhid=qRi4cJnW7gdnM&vssid=l . Searched 17 Oct. 2023.	<input type="checkbox"/>
	4	In Hanau, the mobile bus ticket is at the right price. 01net.com. 2 May 2005. Retrieved on 17 October 2023 from https://www.01net.com/actualites/a-hanau-le-portable-ticket-de-bus-joue-au-juste-prix-276000.html	<input type="checkbox"/>
	5	J. Weatherbed, "10 years ago, Apple finally convinced us to lock our phones / Before Touch ID and fingerprint scanners, most of us couldn't be bothered to set a PIN or password to protect our mobile devices." The Verge. 12 Sept. 2023. Retrieved on 17 Oct. 2023 from https://www.theverge.com/23868464/apple-iphone-touch-id-fingerprint-security-ten-year-anniversary .	<input type="checkbox"/>
	6	Telecoms - The contactless mobile revolution arrives in 2008. banquedesterritoires.fr. 21 December 2007. Retrieved on 4 October 2023 from https://www.banquedesterritoires.fr/la-revolution-mobile-sans-contact-arrive-en-2008	<input type="checkbox"/>

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US8

EXAMINER SIGNATURE			
Examiner Signature		Date Considered	
<p>*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.</p>			
<p><small>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.</small></p>			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US8

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	/Aaron Pederson/	Date (YYYY-MM-DD)	2023-10-17
Name/Print	Aaron Pederson	Registration Number	58607

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.

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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 ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/450,517

RECEIPT DATE / TIME
10/17/2023 05:18:31 PM ET

ATTORNEY DOCKET #
1348.002US8

Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A
PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 6221

FILED BY SAGE KRUSE

PATENT CENTER # 63017252

FILING DATE 08/16/2023

CUSTOMER # 138517

FIRST NAMED INVENTOR Peter D. Karabinis

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Aaron Pederson

Documents

TOTAL DOCUMENTS: 10

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
PrelimAmend1348002US8.pdf	10	-	90 KB
PrelimAmend1348002US8-A.PE.pdf	(1-1) 1	Preliminary Amendment	66 KB
PrelimAmend1348002US8-CLM.pdf	(2-8) 7	Claims	76 KB
PrelimAmend1348002US8-REM.pdf	(9-10) 2	Applicant Arguments/Remarks Made in an Amendment	62 KB
IDS1348002US8.pdf	5	Information Disclosure Statement (IDS) Form (SB08)	1253 KB

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DOCUMENT

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PrelimAmend1348002US8.pdf	CCBC5046F4731286ED4997DC3ABDFF2554C254581B60621D1 3DD3982B24EFBE8E958588A8D2C1C4D98CA39FA517A7DBD0 82C530E42BCCDFC28FF93EAA89A5D22
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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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.

device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion.

27. (Currently Amended) The wireless device of Claim 22, wherein said selectively requesting from a second device an authorization to ~~enable~~-establish a function for conducting a financial transaction and/or said receiving from the second device the authorization to ~~enable~~ establish the function for conducting the financial transaction comprises:

establishing by the wireless device a link with the second device, said link comprising a wireless link ~~that comprises a distance that is greater than a distance associated with the proximity condition;~~

wirelessly transmitting information to the second device over said wireless link using unlicensed and/or licensed frequencies; and

wirelessly receiving information from the second device over said wireless link using unlicensed and/or licensed frequencies;

wherein said wirelessly transmitting and/or said wirelessly receiving comprises using an orthogonal frequency division multiplexing and/or orthogonal frequency division multiple access protocol; and

wherein said establishing by the wireless device a link with the second device comprises establishing the link with the second device responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion.

REMARKS

With this amendment, claims 1, 3-4, 9, 11-13, 16-17, 22-24 and 26-27 are amended, and claims 2, 5-8, 10, 14-15, 18-21 and 25 are cancelled. No new matter has been added. Applicant respectfully requests entry of the amendments contained herein and a prompt and favorable action on the merits.

Applicant believes no fees are due with this amendment. However, if a fee is due, please charge any fees required or credit any overpayment to our Deposit Account No. 502880 from which the undersigned is authorized to draw, during the pendency of this Application.

Respectfully submitted,

Carlson Caspers
225 S. Sixth Street
4200 Capella Tower
Minneapolis, MN 55402

Date: October 17, 2023

By: /Aaron W. Pederson/
Aaron W. Pederson
Reg. No. 58,607
(612) 436-9609

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 18/450,517
Applicant : Telecom Ventures LLC
Filed : August 16, 2023
Confirmation No.: 6221
Docket No. : 1348.002US8
Customer No. : 138517
Title : MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT
RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

SECOND PRELIMINARY AMENDMENT

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

Dear Commissioner:

Please amend the above-identified patent application prior to examination as follows.

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 13 of this paper.

slave relationship, ~~responsive to a need for such a relationship~~, and requesting an authorization to establish a function ~~for conducting~~ to conduct a financial transaction; then

responsive to the requesting, receiving the authorization to establish the function ~~for conducting~~ to conduct the financial transaction; and

responsive to receiving the authorization, establishing the function ~~for conducting~~ to conduct the financial transaction;

wherein prior to said establishing the function ~~for conducting~~ to conduct the financial transaction, the method comprises enabling a communications mode responsive to sensing the physiological parameter and responsive to determining that the physiological parameter that is sensed satisfies the criterion; and then, selectively requesting said authorization by using the communications mode that is enabled;

wherein said selectively requesting said authorization comprises wirelessly and selectively requesting said authorization using Wi-Fi and/or cellular frequencies; and then receiving said authorization via Wi-Fi and/or cellular frequencies.

4. (Currently Amended) The method of Claim 3, further comprising:

responsive to satisfying a proximity condition relative to an entity and responsive to sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function ~~for conducting~~ that has been established to conduct the financial transaction and conducting the financial transaction by paying for a product;

wherein said paying for a product comprises sensing that the proximity condition is satisfied relative to an access point maintained by a vendor at a point of purchase counter, by detecting a short-range signal that is transmitted by the access point, determining that the physiological parameter that is sensed satisfies the criterion and then, responsive to having sensed that the proximity condition is satisfied relative to the access point and having determined that the physiological parameter sensed satisfies the criterion, paying for the product by selectively sending information to at least one device;

wherein said paying for the product by selectively sending information to at least one device comprises selectively and wirelessly transmitting information to the at least one device using unlicensed frequencies; and

wherein said paying for a product further comprises deducting/withdrawing an amount of money from an account.

5-8. (Cancelled)

9. (Currently Amended) A first device that comprises a smartphone and a sensor; wherein the first device is configured to perform operations comprising:

sensing, using the sensor, a physiological parameter of a user of the first device; then determining whether or not the physiological parameter that is sensed satisfies a criterion;

then

responsive to determining that the physiological parameter that is sensed satisfies the criterion, selectively enabling ~~one or more first functions~~ at least one first function while selectively disabling a second function; then

repeatedly sensing said ~~value of the~~ physiological parameter and repeatedly deciding, based on comparing the ~~value of the~~ physiological parameter that is sensed to the criterion, whether or not to maintain enabled said ~~one or more first functions~~ at least one first function while maintaining disabled said second function; and

maintaining enabled said ~~one or more first functions~~ at least one first function while maintaining disabled said second function responsive to deciding that the ~~value of the~~ physiological parameter that is sensed satisfies the criterion; or

disabling said ~~one or more first functions~~ at least one first function and enabling said second function responsive to deciding that the ~~value of the~~ physiological parameter that is sensed no longer satisfies the criterion.

10. (Cancelled)

11. (Currently Amended) The first device of Claim 9, wherein the operations further comprise:

while said ~~one or more first functions~~ at least one first function ~~is~~ is enabled, responsive to having sensed the physiological parameter and responsive to having determined that the physiological parameter sensed satisfies the criterion, selectively establishing a master-slave

relationship with a second device, ~~responsive to a need for such a relationship, by selectively communicating with the second device and requesting from the second device an authorization to establish at the first device a function for conducting~~ to conduct a financial transaction; ~~then~~

~~responsive to the requesting, receiving from the second device the authorization to establish the function for conducting~~ to conduct the financial transaction; and

~~responsive to receiving the authorization, establishing at the first device the function for~~ conducting to conduct the financial transaction;

wherein prior to said establishing at the first device the function ~~for conducting to conduct~~ the financial transaction, the operations further comprise: enabling a communications mode responsive to sensing the physiological parameter and responsive to determining that the physiological parameter that is sensed satisfies the criterion; and then, selectively requesting said authorization by using said communications mode that is enabled;

wherein said selectively requesting said authorization comprises wirelessly and selectively requesting said authorization using Wi-Fi and/or cellular frequencies; and then receiving said authorization via Wi-Fi and/or cellular frequencies.

12. (Currently Amended) The first device of Claim 11, wherein the operations further comprise:

~~detecting that a proximity condition relative to an entity has been satisfied~~ relative to an entity;

sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion; and

using the function ~~for conducting~~ that has been established to conduct the financial transaction and conducting the financial transaction by paying for a product;

~~wherein said paying for a product comprises sensing that the proximity condition is satisfied relative to an access point maintained by a vendor at a point of purchase counter, by detecting a short-range signal that is transmitted by the access point, determining that the physiological parameter that is sensed satisfies the criterion and then, responsive to having sensed that the proximity condition is satisfied relative to the access point and having determined that the~~

physiological parameter sensed satisfies the criterion, paying for the product by selectively sending information to at least one device;

wherein said paying for the product by selectively sending information to at least one device comprises selectively and wirelessly transmitting information to the at least one device using unlicensed frequencies; and

wherein said paying for a product further comprises deducting/withdrawing an amount of money from an account.

13. (Currently Amended) The first device of Claim ~~[[11]]~~12,

wherein the operations further comprise: said using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in Time Division Duplex operation; and

wherein said selectively sending information to at least one device further comprises selectively sending information to the access point maintained by the vendor at the point of purchase counter and to at least one other device that is predetermined; and selectively receiving information from the access point maintained by the vendor at the point of purchase counter and from at least one other device that is predetermined.

~~causing a function for conducting the financial transaction to be established at the second device.~~

14-15. (Cancelled)

16. (Currently Amended) A method comprising:

sensing a physiological parameter; then

determining whether or not the physiological parameter that is sensed satisfies a criterion;

then

~~responsive to the physiological parameter sensed satisfying the criterion, enabling one or more first functions~~ at least one first function; then

~~while said one or more first functions is/are~~ at least one first function is enabled, responsive to having sensed the physiological parameter and responsive to having determined that the physiological parameter that is sensed satisfies the criterion, selectively establishing a master-

slave relationship, ~~responsive to a need for such a relationship~~, and selectively requesting an authorization to establish a function ~~for conducting~~ to conduct a financial transaction; then responsive to the requesting, receiving the authorization to establish the function ~~for conducting~~ to conduct the financial transaction; then responsive to receiving the authorization, establishing the function ~~for conducting~~ to conduct the financial transaction; and then responsive to satisfying a proximity condition relative to an entity and responsive to sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function ~~for conducting~~ that has been established to conduct the financial transaction and conducting the financial transaction by paying for a product; wherein said paying for a product comprises sensing that the proximity condition is satisfied relative to an access point maintained by a vendor at a point of purchase counter, by detecting a short-range signal that is transmitted by the access point, determining that a value of the physiological parameter that is sensed satisfies the criterion and then, responsive to having sensed that the proximity condition is satisfied relative to the access point and having determined that the value of the physiological parameter sensed satisfies the criterion, paying for the product by selectively sending information to at least one device; wherein said paying for the product by selectively sending information to at least one device comprises selectively and wirelessly transmitting information to at least one device using unlicensed frequencies; and wherein said paying for a product further comprises deducting/withdrawing an amount of money from an account.

17. (Currently Amended) The method of Claim 16, wherein said enabling ~~one or more first functions~~ at least one first function comprises enabling ~~one or more first functions~~ at least one first function while disabling a second function; and wherein the method further comprises: repeatedly sensing said value of the physiological parameter and repeatedly deciding, based on comparing the value of the physiological parameter to the criterion, whether or not to maintain enabled said ~~one or more first functions~~ at least one first function while maintaining disabled said second function; and

maintaining enabled said ~~one or more first functions~~ at least one first function while maintaining disabled said second function responsive to deciding that the value of the physiological parameter satisfies the criterion; or

disabling said ~~one or more first functions~~ at least one first function and enabling said second function responsive to deciding that the value of the physiological parameter no longer satisfies the criterion.

18-21. (Cancelled)

22. (Currently Amended) A wireless device that comprises a smartphone and a sensor; wherein the wireless device is configured to perform operations comprising:

sensing, using the sensor, a physiological parameter of a user of the wireless device; then determining whether or not the physiological parameter that is sensed satisfies a criterion; then

responsive to the physiological parameter sensed satisfying the criterion, enabling ~~one or more first functions~~ at least one first function of the wireless device; then

while said ~~one or more first functions~~ is/are at least one function is/are enabled, responsive to having sensed the physiological parameter and responsive to having determined that the physiological parameter that is sensed satisfies the criterion, selectively establishing a master-slave relationship, ~~responsive to a need for such a relationship~~; and selectively requesting from a second device an authorization to establish a function ~~for conducting~~ to conduct a financial transaction; then

responsive to the requesting, receiving from the second device the authorization to establish the function ~~for conducting~~ to conduct the financial transaction; then

responsive to receiving the authorization, establishing at the wireless device the function ~~for conducting~~ to conduct the financial transaction; and then

responsive to the wireless device satisfying a proximity condition relative to an entity and responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function ~~for conducting~~ that has

been established at the wireless device to conduct the financial transaction and conducting the financial transaction by paying for a product;

wherein said paying for a product comprises sensing that the proximity condition is satisfied relative to an access point maintained by a vendor at a point of purchase counter, by detecting a short-range signal that is transmitted by the access point, determining that a value of the physiological parameter that is sensed satisfies the criterion and then, responsive to having sensed that the proximity condition is satisfied relative to the access point and having determined that the value of the physiological parameter sensed satisfies the criterion, paying for the product by selectively sending information to at least one device;

wherein said paying for the product by selectively sending information to at least one device comprises selectively and wirelessly transmitting information to at least one device using unlicensed frequencies; and

wherein said paying for a product further comprises deducting/withdrawing an amount of money from an account.

23. (Currently Amended) The wireless device of Claim 22, wherein said enabling ~~one or more first functions~~ at least one first function of the wireless device comprises enabling ~~one or more first functions~~ at least one first function of the wireless device while disabling a second function of the wireless device; and wherein the operations ~~performed by the wireless device~~ further comprise:

repeatedly sensing said value of the physiological parameter and repeatedly deciding, based on comparing the value of the physiological parameter to the criterion, whether or not to maintain enabled said ~~one or more first functions~~ at least one first function while maintaining disabled said second function; and

maintaining enabled said ~~one or more first functions~~ at least one first function while maintaining disabled said second function responsive to deciding that the value of the physiological parameter satisfies the criterion; or

disabling said ~~one or more first functions~~ at least one first function and enabling said second function responsive to deciding that the value of the physiological parameter no longer satisfies the criterion.

24-25. (Cancelled)

26. (Currently Amended) The wireless device of Claim 22, wherein said conducting the financial transaction by paying for a product comprises:

establishing by the wireless device a short-range wireless link with the entity;
wirelessly transmitting information to the entity using unlicensed frequencies; and
wirelessly receiving information from the entity using unlicensed frequencies;
wherein said wirelessly transmitting and said wirelessly receiving comprises using

unlicensed frequencies in a time division duplex-protocol operation; and

wherein said establishing by the wireless device a short-range wireless link with the entity comprises establishing the short-range wireless link with the entity responsive to the wireless device satisfying a proximity condition relative to the entity and responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion.

27. (Currently Amended) The wireless device of Claim 22, wherein said selectively requesting from a second device an authorization to establish a function ~~for conducting to~~ conduct a financial transaction and/or said receiving from the second device the authorization to establish the function ~~for conducting to conduct~~ the financial transaction comprises:

establishing by the wireless device the master-slave relationship and a link with the second device, said link comprising a wireless link;

wirelessly transmitting information to the second device over said wireless link using unlicensed and/or licensed frequencies; and

wirelessly receiving information from the second device over said wireless link using unlicensed and/or licensed frequencies;

wherein said wirelessly transmitting and/or said wirelessly receiving comprises using a WiFi air interface protocol, an orthogonal frequency division multiplexing ~~and/or air interface protocol~~ and/or an orthogonal frequency division multiple access air interface protocol; and

wherein said establishing by the wireless device the master-slave relationship and a link with the second device comprises establishing the master-slave relationship and the link with the

second device responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion.

28. (New) The wireless device of Claim 22,

wherein said using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in Time Division Duplex operation; and

wherein said selectively sending information to at least one device further comprises selectively sending information to the access point maintained by the vendor at the point of purchase counter and to at least one other device that is predetermined; and selectively receiving information from the access point maintained by the vendor at the point of purchase counter and from at least one other device that is predetermined.

29. (New) The wireless device of Claim 22, wherein said paying for a product further comprises wirelessly receiving information from at least one device using unlicensed frequencies.

30. (New) The wireless device of Claim 29,

wherein said wirelessly transmitting information to at least one device using unlicensed frequencies and said wirelessly receiving information from at least one device using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in Time Division Duplex operation; and

wherein said selectively and wirelessly transmitting information to at least one device further comprises selectively and wirelessly transmitting information to the access point maintained by the vendor at the point of purchase counter and to at least one other device that is predetermined; and further comprises wirelessly receiving information from the access point maintained by the vendor at the point of purchase counter and from at least one other device that is predetermined.

31. (New) The method of Claim 4,

wherein said using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in Time Division Duplex operation; and

wherein said selectively sending information to at least one device further comprises selectively sending information to the access point maintained by the vendor at the point of purchase counter and to at least one other device that is predetermined; and selectively receiving information from the access point maintained by the vendor at the point of purchase counter and from at least one other device that is predetermined.

32. (New) The method of Claim 16, wherein said paying for a product further comprises wirelessly receiving information from at least one device using unlicensed frequencies.

33. (New) The method of Claim 32,
wherein said wirelessly transmitting information to at least one device using unlicensed frequencies and said wirelessly receiving information from at least one device using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in Time Division Duplex operation; and

wherein said selectively and wirelessly transmitting information to at least one device further comprises selectively and wirelessly transmitting information to the access point maintained by the vendor at the point of purchase counter and to at least one other device that is predetermined; and further comprises wirelessly receiving information from the access point maintained by the vendor at the point of purchase counter and from at least one other device that is predetermined.



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/450,517

RECEIPT DATE / TIME
11/13/2023 02:14:20 PM Z ET

ATTORNEY DOCKET #
1348.002US8

Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A
PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 6221

FILED BY SAGE KRUSE

PATENT CENTER # 63230866

FILING DATE 08/16/2023

CUSTOMER # 138517

FIRST NAMED INVENTOR Peter D. Karabinis

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Aaron Pederson

Documents

TOTAL DOCUMENTS: 3

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
PreliminaryAmendment13480 02US8.pdf	13	-	97 KB
PreliminaryAmendment1348 002US8-A.PE.pdf	(1-1) 1	Preliminary Amendment	66 KB
PreliminaryAmendment1348 002US8-CLM.pdf	(2-12) 11	Claims	84 KB
PreliminaryAmendment1348 002US8-REM.pdf	(13-13) 1	Applicant Arguments/Remarks Made in an Amendment	60 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
PreliminaryAmendment1348002 US8.pdf	7AF76AE131D2978A343BDBF6EF3A1BD6B3B688FE76B88E5A0 A97812CD73895F1ED8B4BCAB53E00D674B1A5793FD0E41F98 AE20D933E2524002544904E1BEA01F
PreliminaryAmendment1348002 US8-A.PE.pdf	AB73118810CD0A9667792241FAB71ADF34FA9129951286E774 AB2E188E9DC4C4FA06F8E6E8D459AFB17A1AE775B47ECF46 F868FF6EC71A40218DCD762BCBA4B9
PreliminaryAmendment1348002 US8-CLM.pdf	9985EB478490EF664CE4468BFCD4560F843FD0037F5B81B5B8 2C6653B52C088BE72E8BA494EDA5CEFFB7E1CEBC115F598E 3639B2E96603D19D29E0774D26EDF6
PreliminaryAmendment1348002 US8-REM.pdf	BE7A0D4B300940040C79A1D9EAB5BBE77B8A05C04C6689E2 E602FA7FC8D7033326DDA45A7C9CC9CDDE8755FF9A5E5B15 A4E4C56E38F425F5EA9242B595E84F10

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 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

With this amendment, claims 1, 3-4, 9, 11-13, 16-17, 22-23, and 26-27 are amended, claim 24 is cancelled, and claims 28-33 are new. No new matter has been added. Applicant respectfully requests entry of the amendments contained herein and a prompt and favorable action on the merits.

Applicant believes no fees are due with this amendment. However, if a fee is due, please charge any fees required or credit any overpayment to our Deposit Account No. 502880 from which the undersigned is authorized to draw, during the pendency of this Application.

Respectfully submitted,

Carlson Caspers
225 S. Sixth Street
4200 Capella Tower
Minneapolis, MN 55402

Date: November 13, 2023

By: /Aaron W. Pederson/
Aaron W. Pederson
Reg. No. 58,607
(612) 436-9609

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875		Application or Docket Number 18/450,517	Filing Date 08/16/2023	<input type="checkbox"/> To be Mailed		
ENTITY: <input type="checkbox"/> LARGE <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> MICRO						
APPLICATION AS FILED - PART I						
	(Column 1)	(Column 2)				
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)		
<input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			
<input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			
<input type="checkbox"/> 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 \$40 =			
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *		x \$192 =			
<input type="checkbox"/> 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).					
<input type="checkbox"/> 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						
	(Column 1)	(Column 2)	(Column 3)			
AMENDMENT	11/13/2023	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	* 19	Minus	** 27	= 0	x \$40 = 0
	Independent (37 CFR 1.16(h))	* 4	Minus	*** 4	= 0	x \$192 = 0
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
					TOTAL ADD'L FEE	0
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x \$0 =
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$0 =
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
					TOTAL ADD'L FEE	0
* 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".					/CATHY E FOWLER/	
*** 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.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US8

U.S. PATENTS

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
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If you wish to add additional Foreign Patent Document citation information please click the Add button.

NON-PATENT LITERATURE DOCUMENTS

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US8

1	U.S. PATENT AND TRADEMARK OFFICE, "Restriction Requirement", Application Serial No. 18/489,517, 11/28/2023, 8 pgs.	<input type="checkbox"/>
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If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
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*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	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US8

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	/Aaron Pederson/	Date (YYYY-MM-DD)	2023-11-28
Name/Print	Aaron Pederson	Registration Number	58607

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 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.



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/450,517

RECEIPT DATE / TIME
11/28/2023 03:15:41 PM Z ET

ATTORNEY DOCKET #
1348.002US8

Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A
PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 6221

FILED BY SAGE KRUSE

PATENT CENTER # 63404285

FILING DATE 08/16/2023

CUSTOMER # 138517

FIRST NAMED INVENTOR Peter D. Karabinis

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Aaron Pederson

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
IDS1348002US8.pdf	4	Information Disclosure Statement (IDS) Form (SB08)	1252 KB
18489517RestrictionRequirement.pdf	8	Other reference-Patent/Application/Search Documents	6546 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
IDS1348002US8.pdf	7D7F83550E7D412AA7C485BA704DCF03F13A441A4B4074226

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18489517RestrictionRequireme
nt.pdf

AB01824F54E3B7D1DDDEE18913FF7D8F3DE70A1D7327D8CF
15E5D264612A08F9160C097E70A447F6339471149FD962F03E6
B64CEEA6E9891228ABAFEFF7F916F

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 18/450,517
Applicant : Telecom Ventures LLC
Filed : August 16, 2023
Confirmation No.: 6221
Docket No. : 1348.002US8
Customer No. : 138517
Title : MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT
RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

THIRD PRELIMINARY AMENDMENT

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

Dear Commissioner:

Please amend the above-identified patent application prior to examination as follows.

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 7 of this paper.

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims.

Listing of Claims:

1. (Currently Amended) A method comprising:
sensing a physiological parameter; then
determining whether or not the physiological parameter ~~that is~~ sensed satisfies a criterion;
then
responsive to determining that the physiological parameter ~~that is~~ sensed satisfies the criterion, ~~selectively~~ enabling at least one first function ~~while selectively~~ and disabling a second function; then
repeatedly sensing said physiological parameter and repeatedly deciding, based on comparing the physiological parameter ~~that is~~ sensed to the criterion, whether or not to maintain enabled said at least one first function while maintaining disabled said second function; and
maintaining enabled said at least one first function while maintaining disabled said second function responsive to deciding that the physiological parameter ~~that is~~ sensed satisfies the criterion; or
disabling said at least one first function and enabling said second function responsive to deciding that the physiological parameter ~~that is~~ sensed no longer satisfies the criterion.
2. (Cancelled)
3. (Currently Amended) The method of Claim 1, further comprising:
while said at least one first function is enabled, responsive to having sensed the physiological parameter and responsive to having determined that the physiological parameter ~~that is~~ sensed satisfies the criterion, ~~selectively establishing a master-slave relationship~~ using the at least one first function and requesting an authorization to establish a function to conduct a financial transaction; then

responsive to the requesting, receiving the authorization to establish the function to conduct the financial transaction; and

responsive to receiving the authorization, establishing the function to conduct the financial transaction;

wherein prior to said ~~establishing the function to conduct the financial transaction~~ requesting an authorization, the method comprises enabling a communications mode responsive to sensing the physiological parameter and responsive to determining that the physiological parameter ~~that~~ is sensed satisfies the criterion; and then, ~~selectively~~ requesting said authorization by using the communications mode that is enabled;

wherein said ~~selectively~~ requesting said authorization comprises wirelessly ~~and selectively~~ requesting said authorization using Wi-Fi and/or cellular frequencies; and then receiving said authorization via Wi-Fi and/or cellular frequencies.

4. (Currently Amended) The method of Claim 3, further comprising:

responsive to satisfying a proximity condition relative to an entity and responsive to sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function that has been established to conduct the financial transaction and conducting the financial transaction by paying for a product;

wherein said paying for a product comprises sensing that the proximity condition is satisfied relative to an access point maintained by a vendor at a point of purchase counter, by detecting a short-range signal that is transmitted by the access point, determining that the physiological parameter ~~that~~ is sensed satisfies the criterion and then, responsive to having sensed that the proximity condition is satisfied relative to the access point and having determined that the physiological parameter sensed satisfies the criterion, paying for the product by selectively sending information to at least one device;

wherein said paying for the product by selectively sending information to at least one device comprises selectively and wirelessly transmitting information to the at least one device using unlicensed frequencies; and

wherein said paying for a product further comprises deducting/withdrawing an amount of money from an account.

5–8. (Cancelled)

9. (Currently Amended) A first device that comprises a smartphone and a sensor; wherein the first device is configured to perform operations comprising:

sensing, using the sensor, a physiological parameter of a user of the first device; then determining whether or not the physiological parameter ~~that is~~ sensed satisfies a criterion;

then

responsive to determining that the physiological parameter ~~that is~~ sensed satisfies the criterion, ~~selectively~~ enabling at least one first function ~~while selectively~~ and disabling a second function; then

repeatedly sensing said physiological parameter and repeatedly deciding, based on comparing the physiological parameter ~~that is~~ sensed to the criterion, whether or not to maintain enabled said at least one first function while maintaining disabled said second function; and

maintaining enabled said at least one first function while maintaining disabled said second function responsive to deciding that the physiological parameter ~~that is~~ sensed satisfies the criterion; or

disabling said at least one first function and enabling said second function responsive to deciding that the physiological parameter ~~that is~~ sensed no longer satisfies the criterion.

10. (Cancelled)

11. (Currently Amended) The first device of Claim 9, wherein the operations further comprise:

while said at least one first function is enabled, responsive to having sensed the physiological parameter and responsive to having determined that the physiological parameter sensed satisfies the criterion, ~~selectively establishing a master-slave relationship with a second device and~~ requesting from ~~[[the]]~~ a second device an authorization to establish at the first device a function to conduct a financial transaction; then

responsive to the requesting, receiving from the second device the authorization to establish the function to conduct the financial transaction; and

responsive to receiving the authorization, establishing at the first device the function to conduct the financial transaction;

wherein prior to said ~~establishing~~ requesting from a second device an authorization to establish at the first device ~~[[the]]~~ a function to conduct ~~[[the]]~~ a financial transaction, the operations further comprise: enabling a communications mode responsive to sensing the physiological parameter and responsive to determining that the physiological parameter ~~that is~~ sensed satisfies the criterion; and then, ~~selectively~~ requesting said authorization by using said communications mode that is enabled;

wherein said ~~selectively~~ requesting said authorization comprises wirelessly and selectively requesting said authorization using Wi-Fi and/or cellular frequencies; and then receiving said authorization via Wi-Fi and/or cellular frequencies.

12. (Currently Amended) The first device of Claim 11, wherein the operations further comprise:

detecting that a proximity condition has been satisfied relative to an entity;

sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion; and

using the function that has been established to conduct the financial transaction and conducting the financial transaction by paying for a product;

wherein said paying for a product comprises sensing that the proximity condition is satisfied relative to an access point maintained by a vendor at a point of purchase counter, by detecting a short-range signal that is transmitted by the access point, determining that the physiological parameter ~~that is~~ sensed satisfies the criterion and then, responsive to having sensed that the proximity condition is satisfied relative to the access point and having determined that the physiological parameter sensed satisfies the criterion, paying for the product by selectively sending information to at least one device;

wherein said paying for the product by selectively sending information to at least one device comprises selectively and wirelessly transmitting information to the at least one device using unlicensed frequencies; and

wherein said paying for a product further comprises deducting/withdrawing an amount of money from an account.

13. (Currently Amended) The first device of Claim 12,
wherein said using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in a Time Division Duplex operation; and
wherein said selectively sending information to at least one device further comprises selectively sending information to the access point maintained by the vendor at the point of purchase counter and to at least one other device that is predetermined; and selectively receiving information from the access point maintained by the vendor at the point of purchase counter and from at least one other device that is predetermined.

14 – 30. (Cancelled)

31. (Currently Amended) The method of Claim 4,
wherein said using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in a Time Division Duplex operation; and
wherein said selectively sending information to at least one device further comprises selectively sending information to the access point maintained by the vendor at the point of purchase counter and to at least one other device that is predetermined; and selectively receiving information from the access point maintained by the vendor at the point of purchase counter and from at least one other device that is predetermined.

32. – 33 (Cancelled)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US8

U.S. PATENTS

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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U.S. PATENT APPLICATION PUBLICATIONS

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					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ^{2 i}	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							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button.

NON-PATENT LITERATURE DOCUMENTS

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US8

1	U.S. PATENT AND TRADEMARK OFFICE, "Non-Final Office Action", Application Serial No. 18/489,517, 12/13/2023, 7 pgs.	<input type="checkbox"/>
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If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
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*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	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US8

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	/Aaron Pederson/	Date (YYYY-MM-DD)	2023-12-13
Name/Print	Aaron Pederson	Registration Number	58607

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 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.



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/450,517

RECEIPT DATE / TIME
12/13/2023 07:53:37 AM Z ET

ATTORNEY DOCKET #
1348.002US8

Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A
PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6221	FILED BY	SAGE KRUSE
PATENT CENTER #	63591459	FILING DATE	08/16/2023
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Aaron Pederson

Documents

TOTAL DOCUMENTS: 5

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
3rdPrelimAmend1348002US8.pdf	7	-	82 KB
3rdPrelimAmend1348002US8-A.PE.pdf	(1-1)	1 Preliminary Amendment	66 KB
3rdPrelimAmend1348002US8-CLM.pdf	(2-6)	5 Claims	69 KB
3rdPrelimAmend1348002US8-REM.pdf	(7-7)	1 Applicant Arguments/Remarks Made in an Amendment	60 KB
IDS1348002US8.pdf	4	Information Disclosure Statement (IDS) Form (SB08)	1252 KB

NFOA18489517.pdf	7	Other reference- Patent/Application/Search Documents	5437 KB
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Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
3rdPrelimAmend1348002US8.pdf	D9B18E3A91CE0FF15CDACB22701D2FCE087359D77F97741C D8D556C0BCC29775938225CDB579685B11092259D341D1886 C81F53C08A1B613090B01998049F3F1
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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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.



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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO. Includes sub-tables for EXAMINER, ART UNIT, PAPER NUMBER, NOTIFICATION DATE, DELIVERY MODE.

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):

docketing@carlsoncaspers.com
eofficeaction@apcoll.com

DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Prioritized Examination

2. The Applicant filed the Certification and Request for Prioritized Examination Under 37 CFR 1.102(e) was granted on 11/09/2023.

Election/Restrictions

3. Applicant's election without traverse of claims 1-6 and 17-24, and cancelled claims 7-16 and 25-30 on the reply filed on 11/29/2023 is acknowledged.

Preliminary Amendment

4. Applicant submits the Preliminary Amendment filed on 11/30/2023 is acknowledged.

Information Disclosure Statement

5. The information disclosure statement (IDS) submitted on 10/18/2023 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Drawings

6. The drawings were received on 10/18/2023. These drawings are considered by examiner.

Terminal Disclaimer

7. Examiner suggests the Assignee must submit the Terminal Disclaimer accordingly, in order to process of the application promptly.

Double Patenting

8. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

9. Claims 1, 4 are rejected on the ground of non-statutory obviousness-type double patenting as being unpatentable over claims 1, 6, 11, 14 of Patent No. **11,770,756**.

Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims in the instant application was filed on 11/04/2008 is non-statutory and is broader than the ones in the patent and encompasses a similar

invention as recited in the patent claims, i.e., a method of establishing a capability at a smartphone to conduct a financial transaction; the method comprising: responsive to sensing a value of a parameter and responsive to determining that the value of the parameter sensed satisfies a criterion...; therefore, the claims are obviousness-type by the claims in U.S Patent No. **11,770,756** (See In re Goodman).

It is important to note that claimed features recited in claims 1, 6, 11, 14 of U.S. Patent No. **11,770,756** are more specific than claimed features recited in claims 1, 4 of the Instant Application. Hence, the scope of claims of present application is now broader than U.S. Patent No **11,770,756**.

Many decisions support the fact that a broad or generic claim is obvious from a specific claim, i.e., an obvious variation. See In re Van Ornum and Stang, 214 USPQ 761 (CCPA 1982); In re Goodman (CA FC) 29 USPQ2d 2010 (12/3/1993); In re Vogel and Vogel; 164 USPQ 619 (CCPA 1970); In re Berg (CA FC) 46 USPQ2d 1226 (3/30/1998); Eli Lilly and Co. v. Barr Laboratories Inc., 58 USPQ2d 1865 (CA FC 2001). It is well settled that omission of an element and its function in a combination is an obvious expedient if the remaining elements perform the same functions as before. This notion is supported by In re KARLSON, 136 USPQ 184 (1963); In re Nelson, 95 USPQ 82 (CCPA 1952); and In re Eliot, 25 USPQ 111 (CCPA 1935).

Dependent claims 2-3, 5-6, 17-24 depend either directly or indirectly upon independent claims 1, 6, 11, 14 of patent applications **11,770,756** is also rejected at least for the same reasons discussed above.

Conclusion

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL T VU whose telephone number is (571)272-8131. The examiner can normally be reached on 8:00AM to 6:00PM.

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, Charles Appiah can be reached on (571-272-7904. 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 <http://pair-direct.uspto.gov>. 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.

/MICHAEL T VU/

Primary Examiner, Art Unit 2641

REMARKS

With this amendment, claims 1, 3-4, 9, 11-13 and 31 are amended, and claims 16-30 and 32-33 are cancelled. Claims 1, 3-4, 9, 11-13 and 31 remain pending. No new matter has been added. Applicant respectfully requests entry of the amendments contained herein and a prompt and favorable action on the merits.

Applicant believes no fees are due with this amendment. However, if a fee is due, please charge any fees required or credit any overpayment to our Deposit Account No. 502880 from which the undersigned is authorized to draw, during the pendency of this Application.

Respectfully submitted,

Carlson Caspers
225 S. Sixth Street
4200 Capella Tower
Minneapolis, MN 55402

Date: December 13, 2023

By: /Aaron W. Pederson/
Aaron W. Pederson
Reg. No. 58,607
(612) 436-9609



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Table with 4 columns: APPLICATION NUMBER (18/450,517), FILING OR 371(C) DATE (08/16/2023), FIRST NAMED APPLICANT (Peter D. Karabinis), ATTY. DOCKET NO./TITLE (1348.002US8)

CONFIRMATION NO. 6221

PUBLICATION NOTICE



138517
Carlson, Caspers, Vandenburg & Lindquist, P.A.
225 S. Sixth St.
Ste. 4200
Minneapolis, MN 55402

Date Mailed: 12/14/2023

Title:MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

Publication No.US-2023-0403631-A1

Publication Date:12/14/2023

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publicly available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently https://portal.uspto.gov/pair/PublicPair. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 18/450,517
Applicant : Telcom Ventures LLC
Filed : August 16, 2023
Confirmation No.: 6221
Docket No. : 1348.002US8
Customer No. : 138517
Title : MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT
RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

FOURTH PRELIMINARY AMENDMENT

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

Dear Commissioner:

Please amend the above-identified patent application prior to examination as follows.

Amendments to the Specification begin on page 2 of this paper.

Remarks begin on page 3 of this paper.

AMENDMENTS TO THE SPECIFICATION

Please replace the Abstract of the application with the following Abstract:

Systems/Methods are disclosed of enabling a number of first functions of a device while disabling a second function of the device. According to some embodiments, the device comprises a smartphone. Sensing of a physiological parameter of a user of the device is performed and a determination is made as to whether or not the physiological parameter sensed satisfies a criterion. Responsive to determining that the physiological parameter sensed satisfies the criterion, the device enables the number of first functions while disabling the second function. According to some embodiments, sensing of the physiological parameter is performed repeatedly followed by respectively comparing the physiological parameter sensed to the criterion and deciding whether or not to maintain enabled said number of first functions while maintaining disabled said second function.



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APPLICATION #
18/450,517

RECEIPT DATE / TIME
12/15/2023 06:29:47 PM Z ET

ATTORNEY DOCKET #
1348.002US8

Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6221	FILED BY	SAGE KRUSE
PATENT CENTER #	63639674	FILING DATE	08/16/2023
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Aaron Pederson

Documents

TOTAL DOCUMENTS: 3

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
4thPrelimAmend1348002US8.pdf	3	-	73 KB
4thPrelimAmend1348002US 8-A.PE.pdf	(1-1) 1	Preliminary Amendment	66 KB
4thPrelimAmend1348002US 8-SPEC.pdf	(2-2) 1	Specification	60 KB
4thPrelimAmend1348002US 8-REM.pdf	(3-3) 1	Applicant Arguments/Remarks Made in an Amendment	60 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
4thPrelimAmend1348002US8.pdf	A60E5D48F616E0DAE1A314E3B954D2659D808C424694520BC A0210A7D5FD70C097DB9D6BE266F6CCF7119FF9F48896F7B1 361AD0D4CE0A5A441A47ABB2479D12
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National Stage of an International Application under 35 U.S.C. 371

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New International Application Filed with the USPTO as a Receiving Office

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REMARKS

With this amendment, the specification has been amended to replace the Abstract. No claims are amended. No new matter has been added. Applicant respectfully requests entry of the amendments contained herein and a prompt and favorable action on the merits.

Applicant believes no fees are due with this amendment. However, if a fee is due, please charge any fees required or credit any overpayment to our Deposit Account No. 502880 from which the undersigned is authorized to draw, during the pendency of this Application.

Respectfully submitted,

Carlson Caspers
225 S. Sixth Street
4200 Capella Tower
Minneapolis, MN 55402

Date: December 15, 2023

By: /Aaron W. Pederson/
Aaron W. Pederson
Reg. No. 58,607
(612) 436-9609

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US8

U.S. PATENTS

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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U.S. PATENT APPLICATION PUBLICATIONS

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
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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ^{2 i}	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							<input type="checkbox"/>

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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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US8

1	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 18/489,517, January 12, 2024, 12 pgs.	<input type="checkbox"/>
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Examiner Signature		Date Considered	
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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	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US8

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

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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	/Aaron Pederson/	Date (YYYY-MM-DD)	2024-01-23
Name/Print	Aaron Pederson	Registration Number	58607

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.
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.



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

**APPLICATION #
18/450,517**

**RECEIPT DATE / TIME
01/23/2024 05:11:54 PM Z ET**

**ATTORNEY DOCKET #
1348.002US8**

Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6221	FILED BY	SAGE KRUSE
PATENT CENTER #	64058676	FILING DATE	08/16/2023
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Aaron Pederson

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
IDS1348002US8.pdf	4	Information Disclosure Statement (IDS) Form (SB08)	1252 KB
NOA18489517.pdf	7	Other reference- Patent/Application/Search Documents	753 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
IDS1348002US8.pdf	578513A7A5D71C72513C170295C376A5028E01CB8EB4CF6218

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NOA18489517.pdf

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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.

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New International Application Filed with the USPTO as a Receiving Office

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	OPAP
	Examiner Name	Docket CENTRAL
	Attorney Docket Number	1348.002US8

U.S. PATENTS

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	7233260	B2	2007-06-19	Tang et al.	

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U.S. PATENT APPLICATION PUBLICATIONS

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
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18450517
	Filing Date		2023-08-16
	First Named Inventor	Peter D. Karabinis	
	Art Unit		OPAP
	Examiner Name	Docket CENTRAL	
	Attorney Docket Number		1348.002US8

	1	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 18/523,863, 02/06/2024, pp. 10	<input type="checkbox"/>
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*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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	First Named Inventor	Peter D. Karabinis
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See attached certification statement.

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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	/Aaron Pederson/	Date (YYYY-MM-DD)	2024-02-09
Name/Print	Aaron Pederson	Registration Number	58607

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APPLICATION # 18/450,517	RECEIPT DATE / TIME 02/09/2024 06:01:05 PM Z ET	ATTORNEY DOCKET # 1348.002US8
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Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6221	FILED BY	SAGE KRUSE
PATENT CENTER #	64280348	FILING DATE	08/16/2023
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Aaron Pederson

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
IDS1348002US8.pdf	4	Information Disclosure Statement (IDS) Form (SB08)	1252 KB
18523863NOA.pdf	9	Other reference- Patent/Application/Search Documents	908 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
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National Stage of an International Application under 35 U.S.C. 371

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(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 September 2007 (27.09.2007)

PCT

(10) International Publication Number
WO 2007/109574 A2

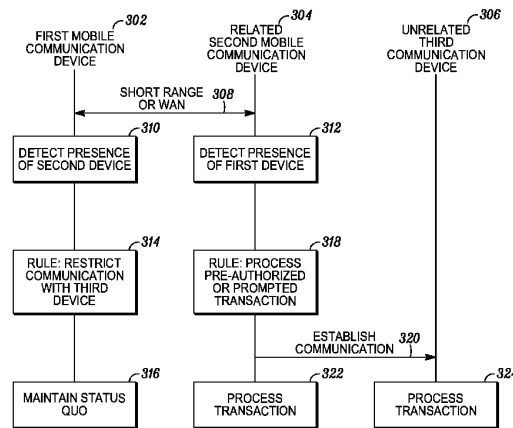
- (51) International Patent Classification:
G06Q 30/00 (2006.01)
- (21) International Application Number:
PCT/US2007/064220
- (22) International Filing Date: 16 March 2007 (16.03.2007)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
11/385,567 21 March 2006 (21.03.2006) US
- (71) Applicant (for all designated States except US): **MO-TOROLA INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **ALBERTH, William, P., Jr.** [US/US]; 2806 Crystal Way, Prairie Grove, IL 60012 (US). **VANNATTA, Louis, J.** [US/US]; 4712 Wild Cherry Road, Crystal Lake, IL 60012 (US).
- (74) Agents: **LOPPNOW, Matthew, C.** et al.; 600 North US Highway 45, Libertyville, IL 60048 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: METHODS AND DEVICES FOR ESTABLISHING AND PROCESSING PAYMENT RULES FOR MOBILE COMMERCE



(57) Abstract: Disclosed are methods and devices for automatically selecting which mobile communication device among two or more related mobile communication devices may establish communication or authorize a transaction for particular services or goods with an unrelated third communication device. The described method includes a first mobile communication device detecting the presence of a related second mobile communication device and authorizing a communication with a third unrelated entity, such as that of a vendor, based on the presence of the related second mobile communication device. Also described is a method of a first mobile communication device including detecting the presence of a related second mobile communication device and restricting wireless communication with a unrelated third communication device, such as that of a vendor.

WO 2007/109574 A2

METHODS AND DEVICES FOR
ESTABLISHING AND PROCESSING
PAYMENT RULES FOR MOBILE COMMERCE

5 FIELD

Disclosed are methods and devices for mobile commerce and more particularly methods and devices for automatically selecting which mobile communication device among two or more related mobile communication devices may establish communication or authorize a transaction for particular services or
10 goods with an unrelated third communication device.

BACKGROUND

The makers of mobile communication devices, including those of cellular telephones, are increasingly adding functionality to their devices. For example,
15 cellular telephones include features such as still and video cameras, video streaming and two-way video calling, email functionality, Internet browsers, music players, FM radios with stereo audio, and organizers. Bluetooth enabled cellular telephones may be PC compatible so that files generated or captured on the mobile communication device may be downloaded to a PC. Likewise, data from a PC or other source may be
20 uploaded to the mobile communication device. Cellular telephones in particular are becoming more than simply mobile communication devices. They are evolving into powerful tools for information management.

Mobile commerce (M-commerce) is yet another functionality being incorporated into the operations of mobile communication devices. Mobile
25 commerce refers to transactions using a wireless device and data connection that result in the transfer of value in exchange for information, services, or goods. Near field protocols such as Bluetooth, radio frequency identification (RFID), personal area network (PAN), as well as Internet capabilities, can enable mobile communication devices such as cellular telephones and PDAs to carry out financial transactions.
30 Mobile commerce, facilitated generally by mobile phones, can include services such as banking, payment, and ticketing. Accordingly, mobile communication devices may replace traditional wallets and credit cards. The emerging technology behind m-commerce may transform the mobile communication device into an electronic wallet.

In m-commerce, a mobile communication device may be used to facilitate a transaction between a vendor and a customer while in near field communication. For example, a mobile communication device within range of a vendor's payment station may request authorization for payment from the user and then process a payment to the vendor. On the other hand, certain payments may be pre-authorized. For example, a user may pass through a toll booth enabled to receive a payment via an m-commerce enabled mobile communication device. The toll booth may detect the presence of the m-commerce enabled mobile communication device and may therefore accept payment since the payment can be pre-authorized by the user. The user therefore may be free to pass through the toll booth and process a transaction without engaging in a manual transaction with the toll booth.

Two or more mobile communication devices may be within range of a vendor's payment station and may also provide for a pre-authorized payment to that particular vendor. In such a situation, one or more mobile communication devices therefore may authorize payment erroneously. It would be beneficial if there were rules between the devices that could govern communication such as transactions with a third entity such as the vendor based on the presence or proximity of another related mobile communication device.

SUMMARY

Disclosed are methods and devices for automatically selecting which mobile communication device among two or more related mobile communication devices may establish communication or authorize a transaction for particular services or goods with an unrelated third communication device. A described method includes a first mobile communication device detecting the presence of a related second mobile communication device and authorizing a communication with a third unrelated entity, such as that of a vendor, based on the presence of the related second mobile communication device. Also described is a method of a first mobile communication device including detecting the presence of a related second mobile communication device and restricting wireless communication with a unrelated third communication device, such as that of a vendor.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a flowchart of a first mobile communication device and a second mobile communication device as they establish rules between themselves;

FIG. 2 depicts a first mobile communication device and a related mobile communication device; and

FIG. 3 is a signal flow diagram including a first mobile communication device, a related second mobile communication device and an unrelated third device.

DETAILED DESCRIPTION

Described is a method for automatically selecting which mobile communication device among a group of mobile communication devices may establish communication or authorize a transaction for particular services or goods with an unrelated third communication device such as a vendor station. The automatic selecting process may be based on user-programmed rules to be applied when multiple mobile communication devices are in the presence of each other and the unrelated third device. The rules between two or more mobile communication devices allow the devices to negotiate which device will communicate or carry out a transaction based on the group rules.

The described method includes a first mobile communication device detecting the presence of a related second mobile communication device and authorizing a communication with a third entity, such as that of a vendor, based on the presence of the related second mobile communication device. Also described is a method of a first mobile communication device including detecting the presence of a related second mobile communication device and restricting wireless communication with a non-related communication device, such as that of a vendor. A non-related device is also referred to as an unrelated device or third entity.

Further described is a mobile communication device including a detection module configured to detect the presence of a related second mobile communication device and a communication authorization module configured to authorize wireless communication with a non-related communication device, such as that of a vendor, based on rules regarding the presence of the related second mobile communication device.

Additionally disclosed is that the first and second mobile communication devices can be related by establishing at least one rule between the first device and the

related second device based on their proximity to each other. A rule establishment module can be further configured to allow or restrict communication or a transaction with the non-related communication device, such as that of a vendor, based upon a transaction criterion.

5 Before describing in detail embodiments that are in accordance with the present disclosure, it should be observed that the embodiments reside primarily in combinations of method steps and components related to automatically selecting which mobile communication device among a group of mobile communication devices may establish communication or authorize a transaction for particular services
10 or goods with an unrelated third communication device. Accordingly, the components and method steps have been represented where appropriate by conventional symbols in the drawings, showing only those specific details that are pertinent to understanding the embodiments of the present disclosure so as not to obscure the disclosure with details that will be readily apparent to those of ordinary
15 skill in the art having the benefit of the description herein.

 In this document, relational terms such as first and second, top and bottom, and the like may be used solely to distinguish one entity or action from another entity or action without necessarily requiring or implying any actual such relationship or order between such entities or actions. The terms "comprises," "comprising," or any
20 other variation thereof, are intended to cover a non-exclusive inclusion, such that a process, method, article, or apparatus that comprises a list of elements does not include only those elements but may include other elements not expressly listed or inherent to such process, method, article, or apparatus. An element preceded by
25 "comprises ...a" does not, without more constraints, preclude the existence of additional identical elements in the process, method, article, or apparatus that comprises the element.

 It will be appreciated that embodiments of the disclosure described herein may be comprised of one or more conventional processors and unique stored program instructions that control the one or more processors to implement, in conjunction with
30 certain non-processor circuits, some, most, or all of the functions of automatically selecting which mobile communication device among a group of mobile communication devices may establish communication or authorize a transaction for

particular services or goods with an unrelated third communication device, as described herein.

The non-processor circuits may include, but are not limited to, a radio receiver, a radio transmitter, signal drivers, clock circuits, power source circuits, and user input devices. As such, these functions may be interpreted as steps of a method relating to automatically selecting which mobile communication device among a group of mobile communication devices may establish communication or authorize a transaction for particular services or goods with an unrelated third communication device. Alternatively, some or all functions could be implemented by a state machine that has no stored program instructions, or in one or more application specific integrated circuits (ASICs), in which each function or some combinations of certain of the functions are implemented as custom logic. Of course, a combination of the two approaches could be used. Thus, methods and means for these functions have been described herein. Further, it is expected that one of ordinary skill, notwithstanding possibly significant effort and many design choices motivated by, for example, available time, current technology, and economic considerations, when guided by the concepts and principles disclosed herein will be readily capable of generating such software instructions and programs and ICs with minimal experimentation.

FIG. 1 is a flowchart of a first mobile communication device 102 and a second communication device 104 as they establish rules between themselves 106. The rules may include different characteristics including priorities, types of transactions, time of transactions, time between transactions, amount of transactions, when some or all of the rules can expire, time for payments, time between payments, which store, vendor or service may be paid, actions when in presence of other units, and the dollar amount for authorization. The rules may be adaptive and may provide the ability for the devices to change and/or learn according to the rules. It is understood that the foregoing list is not exhaustive and that any suitable rules may be applied as the devices establish rules between themselves 106.

The rules may be effected when devices 102 and 104 detect the presence of each other 108. Accordingly upon detection 110 of device 104, device 102 can select a rule or a plurality of rules to apply to the particular situation 112. Similarly, upon detection 114 of device 102, the second related device 104 can select a rule or a plurality of rules to apply to the particular situation 116.

FIG. 2 depicts a first mobile communication device 202 and a related mobile communication device 204. A wide variety of mobile communication devices that have been developed and will be developed for use within various networks are included in this discussion. Handheld communication devices include, for example, cellular telephones, messaging devices, mobile telephones, personal digital assistants (PDAs), notebook or laptop computers incorporating communication modems, mobile data terminals, application specific gaming devices, video gaming devices incorporating wireless modems, audio and music players and the like. It is understood that any mobile communication device is within the scope of this discussion.

The mobile communication device 202 depicted in FIG. 2 can include a transceiver 206, a processor or controller 208, memory 210, and modules 212. Likewise the related mobile communication device 204 can include transceiver 214, a processor or controller 216, memory 218, and modules 220. The mobile communication devices 202 and 204 are depicted with modules 212 and 220 respectively that can contain instruction modules that can be hardware and/or software to carry out various tasks. The modules can carry out certain processes of the methods as described herein. The modules can be implemented in software, such as in the form of one or more sets of prestored instructions, and/or hardware, which can facilitate the operation of the mobile communication device as discussed below. The modules may be installed at the factory or can be installed after distribution by, for example, a downloading operation. The operations in accordance with the modules will be discussed in more detail below.

The modules of the mobile communication devices 202 and 204 are illustrated as being similar. Of course, any other modules may be part of those devices. The first mobile communication device 202 can include a detection module 222, communication authorization module 224, correspondence module 226, rule establishment module 228 and transaction authorization module 230. Similarly shown for the related second mobile communication device 204 are a detection module 222, communication authorization module 224, correspondence module 226, rule establishment module 228 and transaction authorization module 230. Both mobile communication devices 202 and 204 are shown with display devices 232 and 234 and input devices 236 and 238. Likewise, other components are within the scope of this discussion.

Again, referring to FIG. 1 rules are established 106 between the devices 102 and 104. Now referring to FIG. 2, a correspondence module 226 may be configured to relate the mobile communication device 202 to the related second mobile communication device 204 by establishing at least one rule between the devices based
5 on their proximity.

Therefore, when the first device 202 detects the presence 240 of the second related device 204, or vice versa, the devices may negotiate according to the rules which of the devices may communicate or transact with an unrelated third device (see 306, FIG. 3). The communication module 224 may be configured to authorize
10 wireless communication with a non-related communication device based on rules regarding the presence of a related second mobile communication device. Similarly, a rule establishment module 228 may be configured to allow or restrict communication and/or a transaction with the unrelated third communication device based upon a criterion or criteria. The rule establishment module 228 may be configured to
15 establish at least one rule with the related second mobile communication device 204 to allow or restrict communication and/or a transaction with the unrelated third communication device based upon a criterion or criteria, such as the presence or proximity of the related second mobile communication device. Accordingly, the devices may negotiate which of the devices are restricted from communication with
20 an unrelated third device. While FIG. 2 depicts two devices 202 and 204, it is understood that any number of related devices and any type of devices may be parties to the rules. As discussed above, the rules based upon the proximity of the devices may include any suitable characteristics to govern communication and/or transactions.

In one embodiment, for example, the two devices 204 and 206 are a PDA and
25 a personal computer. The user may develop a calendar on either device, for example, on the PDA. The user may download the calendar to the personal computer. When the two devices are in proximity to one another, they can detect the presence of the other 240. The two devices may have rules (see 106, FIG. 1) between them so that when they detect the presence of each other 240, only one of the devices will provide
30 a calendar alarm to an unrelated device or to the user. In this manner, one device is restricted from providing an alarm communication to another unrelated device or to the user. The user may benefit from receiving a single alarm instead of two alarms.

In another embodiment, for example, a user may possess two mobile communication devices such as two cellular telephones 202 and 204. When the two

devices are in proximity to one another, they can detect the presence of the other 240. The two devices may have rules (see 106, FIG. 1) between them so that when they detect the presence of each other 240, only one of the devices may be engaged in communication with a network server for example. Accordingly, if one or the other is engaged in communication, the rules may provide that the second device communicate to the server to direct an incoming call into voicemail instead of initiating a ring tone in the second device. In this manner, the user may avoid being disturbed by a ringing second cellular telephone while engaged in a call on the first telephone.

10 The mobile communication devices 202 and 204 may detect the presence of the other via short range transmissions or via long range transmissions. The distance between the devices may be dependent upon the type of proximity detecting. The transceivers 206 and 214 may communicate, for example, via a like protocol such as by Bluetooth, RFID and UWB in the short range. In the long range they may communicate via, for example, GSP or WAN. A detection module 222 is configured to detect the presence of a related second mobile communication device. It is understood that, the devices 202 and 204 may include more than one transceiver and may detect the presence of the other device or devices in any suitable manner.

FIG. 3 is a signal flow diagram including a first mobile communication device 20 302, a related mobile communication device 304 and an unrelated device 306. Devices 302 and 304 can transmit and receive via their transceivers 308 to one another at any time in the process. Therefore they may detect the presence of one another 310 and 312 and the unrelated third device 306. The unrelated third device 306 may also be able to detect their presence.

25 In another embodiment, for example, two or more related devices may endeavor to pass through a toll gate, or pass by a grocery store checkout, a school cafeteria cashier, or a ticketing kiosk. It is understood that the examples of vendors, services and tolls are not exhaustive and that the present discussion may apply to any suitable financial and/or non-financial situation. As described above, non-financial situations can include, for example, restricting an alarm or a service provider forwarding a call to voice-mail.

In one embodiment, that is, through a toll booth, two or more users may each be carrying a mobile communication device that is pre-authorized to pay tolls. However, when devices both are present, the rule may be that the first device is

restricted from communication and/or authorizing a transaction with toll both 314 and therefore can maintain the status quo 316. Accordingly, the first mobile communication device does not automatically authorize payment. The rule may further be that when both mobile communication devices are present, the related
5 second mobile communication device may automatically authorize payment to the toll booth 318. The related second mobile communication device 304 may then establish communication 320 with the unrelated third device 306, in this case a toll booth. The related second mobile communication device 304 may process the transaction 322. For example, a transaction authorization module (see 230, FIG. 2) can be configured
10 to authorize a transaction with the unrelated third communication device without requiring substantially concurrent user input since the transaction may be pre-authorized. The unrelated third device 306 may process the transaction 324.

As mentioned above, the rules may include different characteristics including priorities, types of transactions, time of transactions, time between transactions,
15 amount of transactions, when some or all of the rules can expire, time for payments, time between payments, authorized stores and vendor, actions needed such as prompts when in presence of other devices, and the dollar amount for authorization. Accordingly, in one example, the rules can include a transaction criterion including the establishment of the time of day of a proposed transaction. In another example,
20 the rules can include a transaction criterion including the establishment of the frequency of more than one proposed transaction. In yet another example, the rules can include a transaction criterion including the establishment of the identity of another device.

As mentioned above, the rules may relate issues other than payments and/or
25 transactions. For example, as described above, the rules may relate to which device may announce a ring tone, or may announce an alarm. The rules may be adaptive and may provide the ability for the devices to change and/or learn according to the rules. The rules may provide for prompts to the users in certain situations, or may provide for self-determination by the device in other situations, requiring no user
30 input to the device.

This disclosure is intended to explain how to fashion and use various embodiments in accordance with the technology rather than to limit the true, intended, and fair scope and spirit thereof. The foregoing description is not intended to be exhaustive or to be limited to the precise forms disclosed. Modifications or variations

are possible in light of the above teachings. The embodiment(s) was chosen and described to provide the best illustration of the principle of the described technology and its practical application, and to enable one of ordinary skill in the art to utilize the technology in various embodiments and with various modifications as are suited to
5 the particular use contemplated. All such modifications and variations are within the scope of the disclosure as determined by the appended claims, as may be amended during the pendency of this application for patent, and all equivalents thereof, when interpreted in accordance with the breadth to which they are fairly, legally and equitably entitled.

10 In the foregoing specification, specific embodiments of the present disclosure have been described. However, one of ordinary skill in the art appreciates that various modifications and changes can be made without departing from the scope of the present disclosure as set forth in the claims below. Accordingly, the specification and figures are to be regarded in an illustrative rather than a restrictive sense, and all
15 such modifications are intended to be included within the scope of present disclosure. The benefits, advantages, solutions to problems, and any element(s) that may cause any benefit, advantage, or solution to occur or become more pronounced are not to be construed as a critical, required, or essential features or elements of any or all the claims. The disclosure is defined solely by the appended claims including any
20 amendments made during the pendency of this application and all equivalents of those claims as issued.

CLAIMS:

1. A method of a first mobile communication device, the method comprising:
detecting the presence of a related second mobile communication device; and
5 authorizing a communication with a third entity based on the presence of the
related second mobile communication device.
2. The method of claim 1, further comprising:
relating the first mobile communication device to the related second mobile
10 communication device by establishing at least one rule between the first mobile
communication device and the related second mobile communication device based on
their proximity to each other.
3. The method of claim 1, further comprising:
15 establishing at least one rule with the related second mobile communication
device restricting wireless communication between the related second mobile
communication device and the third entity based on the presence of the first mobile
communication device with the related second mobile communication device.
- 20 4. The method of claim 1, wherein detecting the presence of a related second
mobile communication device comprises:
receiving a short range communication signal transmitted by the related
second mobile communication device.
- 25 5. The method of claim 1, wherein detecting the presence of a related second
mobile communication device comprises:
receiving a communication signal via a wireless wide area network transmitted
by the related second mobile communication device.
- 30 6. The method of claim 1, further comprising:
processing a transaction with the third entity.

7. The method of claim 1, further comprising:
restricting a transaction with the third entity based upon transaction criteria.
- 5 8. The method of claim 1, wherein the communication comprises a payment transaction.
9. A method of a first mobile communication device, the method comprising:
detecting the presence of a related second mobile communication device; and
10 restricting wireless communication with a non-related communication device based on the presence of the related second mobile communication device.
10. The method of claim 9, further comprising:
relating the first mobile communication device to the related second mobile
15 communication device by establishing at least one rule between the first mobile communication device and the related second mobile communication device based on their proximity to each other.
11. The method of claim 9, further comprising:
20 establishing at least one rule with the related second mobile communication device enabling wireless communication between the related second mobile communication device and the non-related communication device based on the proximity of the first mobile communication device to the second mobile communication device.
- 25 12. The method of claim 9, wherein detecting the presence of a related second mobile communication device comprises:
receiving a short range communication signal transmitted by the related
second mobile communication device.
- 30 13. The method of claim 9, wherein detecting the presence of a related first mobile communication device comprises:
receiving a communication signal via a wireless wide area network transmitted by the related second mobile communication device.

14. A mobile communication device comprising:
a transceiver capable of communication according to a protocol, the
communication being with another transceiver operable according to a like protocol;
a controller configured to control operations of the mobile communication
5 device and coupled to the transceiver;
a detection module coupled to the controller, the detection module configured
to detect the presence of a related second mobile communication device; and
a communication authorization module coupled to the controller, the
communication authorization module configured to authorize wireless communication
10 with a non-related communication device based on rules regarding the presence of the
related second mobile communication device.
15. The device of claim 14, further comprising:
a correspondence module coupled to the controller, the correspondence
15 module configured to relate the mobile communication device to the related second
mobile communication device by establishing at least one rule between the mobile
communication device and the related second mobile communication device based on
their proximity.
- 20 16. The device of claim 14, further comprising:
a rule establishment module coupled to the controller, the rule establishment
module configured to establish at least one rule with the related second mobile
communication device restricting wireless communication between the mobile
communication device with the non-related communication device based on the
25 presence of the related second mobile communication device.
17. The device of claim 14 further comprising:
a transaction authorization module coupled to the controller, the transaction
authorization module configured to authorize a transaction with the non-related
30 communication device without requiring substantially concurrent user input.

18. The device of claim 14, further comprising:
a rule establishment module coupled to the controller, the rule establishment module configured to restrict a transaction with the non-related communication device based upon a transaction criterion.

5

19. The device of claim 18, wherein the transaction criterion comprises:
the establishment of the time of day of a proposed transaction.

20. The device of claim 18, wherein the transaction criterion comprises:
10 the establishment of the frequency of more than one proposed transactions.

21. The device of claim 18, wherein the transaction criterion comprises:
the establishment of the identity of another device.

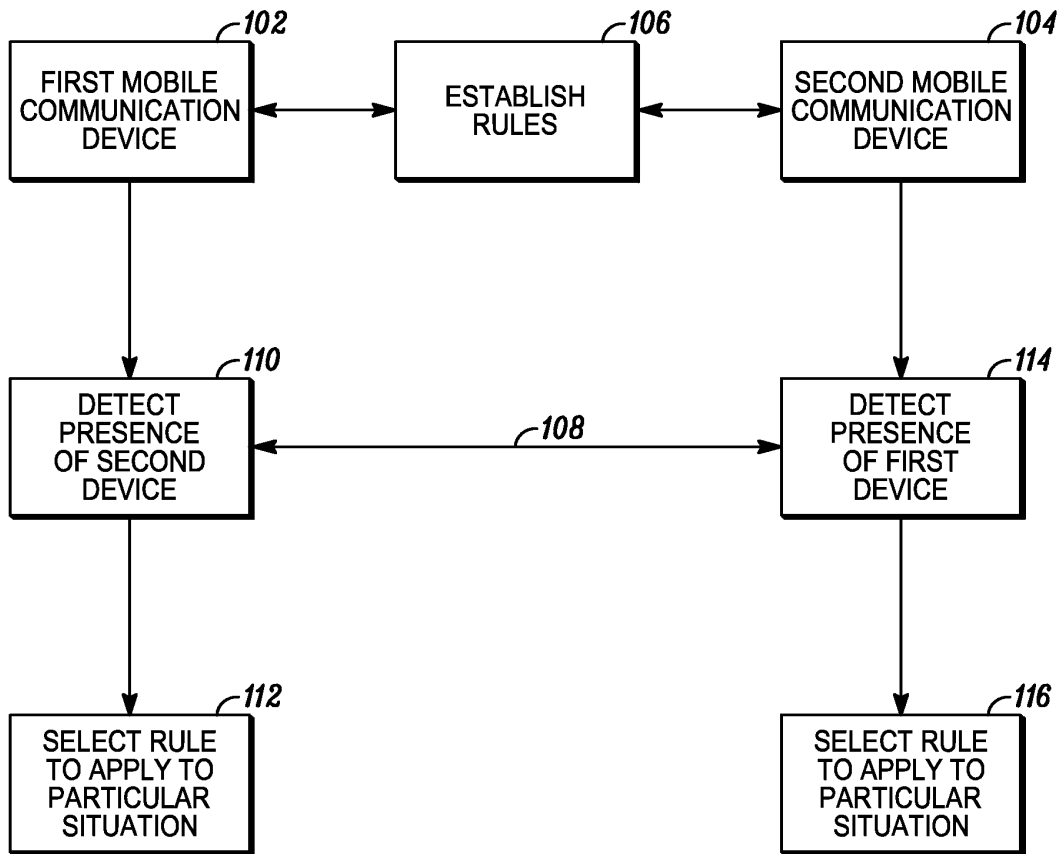


FIG. 1

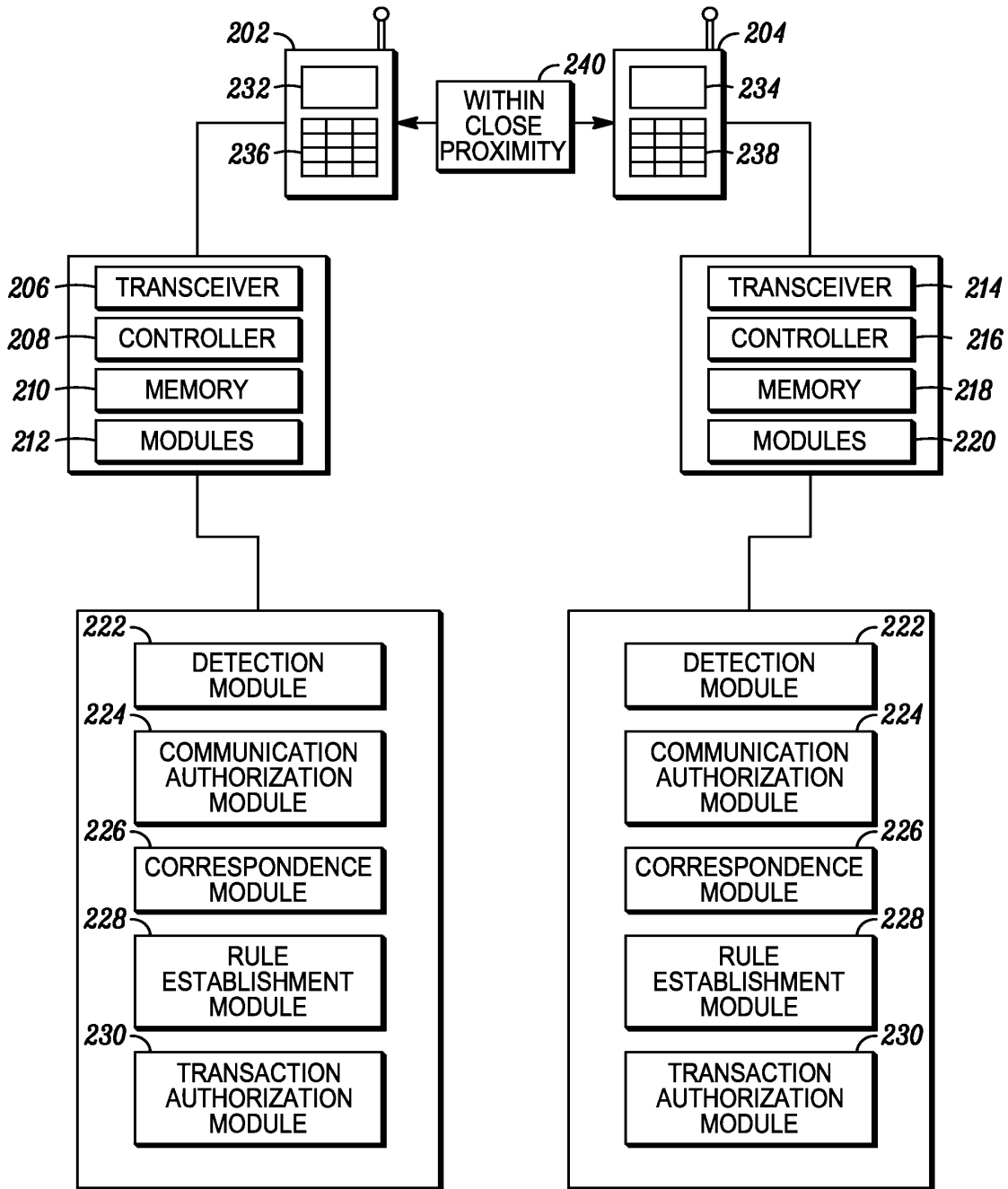


FIG. 2

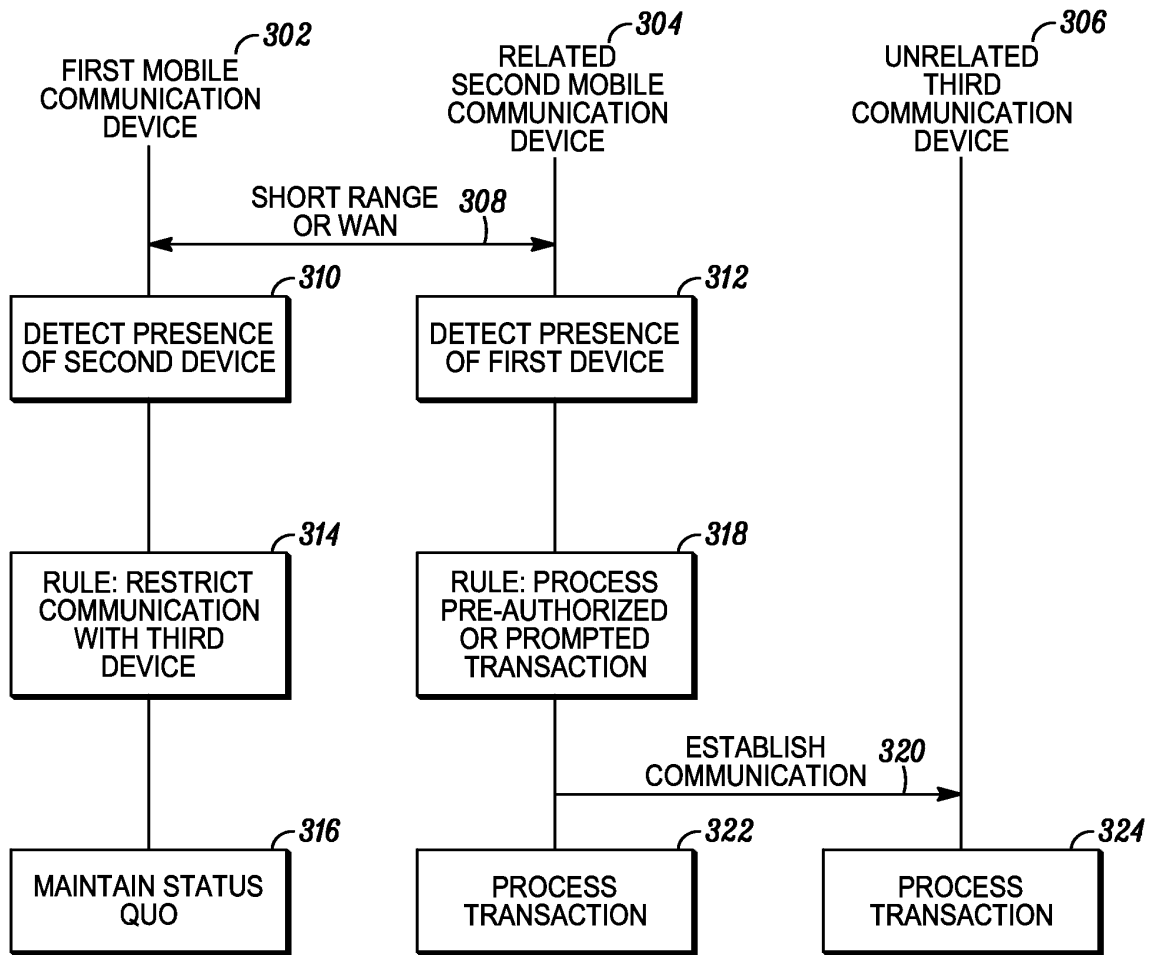


FIG. 3

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	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	Michael T. Vu
	Attorney Docket Number	1348.002US8

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	Examiner Name	Michael T. Vu
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18450517
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	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	Michael T. Vu
	Attorney Docket Number	1348.002US8

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	/Aaron Pederson/	Date (YYYY-MM-DD)	2024-03-23
Name/Print	Aaron Pederson	Registration Number	58607

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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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.
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION # 18/450,517	RECEIPT DATE / TIME 03/23/2024 10:09:26 AM Z ET	ATTORNEY DOCKET # 1348.002US8
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Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6221	FILED BY	SAGE KRUSE
PATENT CENTER #	64810534	FILING DATE	08/16/2023
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Aaron Pederson

Documents

TOTAL DOCUMENTS: 3

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
IDS1348002US8.pdf	4	Information Disclosure Statement (IDS) Form (SB08)	1252 KB
WO2007109574A2.pdf	18	Foreign Reference	785 KB
NFOA18539020.pdf	6	Other reference-Patent/Application/Search Documents	373 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
IDS1348002US8.pdf	A053140614F03F7A1954321DDD11A0611B6B930AA3DA8C03B

7D19D6649BADC93B9C8EB5F6B13F41CD8E09957CA0E18696
18C75C2DEF330D6244329C81A384B5F

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27190AFF044B6B7865C5EFFBE3EAE30AA05E06908E728EA04
D7CBC6A403D71EAF4FD315254C55FFDF7A7E85500F7DAABF
9CFD71504D49069C7BCD0219551099D

NFOA18539020.pdf

F84EE4DF5D352C19D3D37F94B44FA7436230A41FA1852D56C
4A926CB073480EEFE86C30E07C58002212562ECE3B47134BA
10E5C9B0D3DE38D56D408D5519CCAA

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Notice of References Cited	Application/Control No. 18/450,517	Applicant(s)/Patent Under Reexamination Karabinis et al.	
	Examiner MICHAEL T VU	Art Unit 2641	Page 1 of 1

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*	A US-20090177068-A1	2009-07-09	Stivoric; John M.	A61B5/0022	600/365
*	B US-7886968-B2	2011-02-15	Shoemaker; Austin	G06Q20/204	235/380
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Doc code: IDS

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		2023-08-16
	First Named Inventor	Peter D. Karabinis	
	Art Unit		
	Examiner Name		
	Attorney Docket Number		1348.002US8

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	6595929	B2	2003-07-22	Stivoric et al.	
	2	6769607	B1	2004-08-03	Pitroda et al.	
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	9	7539241	B1	2009-05-26	Dick	
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	20	8965281	B2	2015-02-24	Raisanen et al.	
	21	RE39736		2007-07-17	Morrill Jr.	

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45	20130156218	A1	2013-06-20	Annacone et al.	

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NON-PATENT LITERATURE DOCUMENTS

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	"Digital wallet" Wikipedia (4 pages) (Printed on July 10, 2017)	<input type="checkbox"/>

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2	"What Are Physiological Biometrics?" THALES, Mar. 2023, www.thalesgroup.com/en/markets/digital-identity-and-security/government/inspired/what-are-physiological-biometrics#:~:text=A%20fingerprint%20is%20an%20example,and%20characteristics%20of%20your%20body. Accessed 20 Jun. 2023.	<input type="checkbox"/>
3	International Search Report and Written Opinion of the International Searching Authority for corresponding PCT Application No. PCT/US09/062792 (8 pages) (December 23, 2009)	<input type="checkbox"/>
4	U.S. PATENT AND TRADEMARK OFFICE, "Final Office Action", Application Serial No. 15/929,609, 06/09/2021, 17 pgs.	<input type="checkbox"/>
5	U.S. PATENT AND TRADEMARK OFFICE, "Final Rejection", Application Serial No. 16/012,513, 12/11/2018, pp. 1-10	<input type="checkbox"/>
6	U.S. PATENT AND TRADEMARK OFFICE, "Final Rejection", Application Serial No. 16/012,513, 12/19/2019, pp. 1-14	<input type="checkbox"/>
7	U.S. PATENT AND TRADEMARK OFFICE, "Final Rejection", Application Serial No. 16/251,834, 12/17/2019, pp. 1-14	<input type="checkbox"/>
8	U.S. PATENT AND TRADEMARK OFFICE, "Non-Final Office Action", Application Serial No. 17/653,748, 06/08/2023, 19 pgs.	<input type="checkbox"/>
9	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 15/929,609, December 9, 2021, 4 pgs.	<input type="checkbox"/>
10	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 16/012,513, 03/26/2020, Pgs. 1-12	<input type="checkbox"/>
11	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 16/251,834, 04/22/2020, Pgs. 1-9	<input type="checkbox"/>
12	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 17/653,748, July 17, 2023, 9 pgs.	<input type="checkbox"/>

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13	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 15/929,609, 06/09/2021, 18 pgs.	<input type="checkbox"/>
14	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 15/929,609, 12/01/2020, 16 pgs.	<input type="checkbox"/>
15	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 16/012,513, 04/12/2019, pp. 1-11	<input type="checkbox"/>
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18	U.S. PATENT AND TRADEMARK OFFICE, "Supplemental Notice of Allowability", Application Serial No. 17/653,748, July 28, 2023, 4 pgs.	<input type="checkbox"/>

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	Examiner Name		
	Attorney Docket Number	1348.002US8	

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Name/Print	Aaron Pederson	Registration Number	58607

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U.S. PATENTS

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1	U.S. PATENT AND TRADEMARK OFFICE, "Restriction Requirement", Application Serial No. 18/489,517, 11/28/2023, 8 pgs.	<input type="checkbox"/>
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Signature	/Aaron Pederson/	Date (YYYY-MM-DD)	2023-11-28
Name/Print	Aaron Pederson	Registration Number	58607

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	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US8

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	1	7295846	B2	2007-11-13	Daigremont et al.	
	2	7505941	B2	2009-03-17	Bishop et al.	
	3	8050337	B2	2011-11-01	Karabinis	
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	1	20050136949	A1	2005-06-23	Barnes	
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	1	Caen, the city where you pay and get information by taking out your cell phone. 01net.com. 20 October 2005. Retrieved on 4 October 2023 from https://www.01net.com/actualites/caen-la-ville-ou-lon-payee-et-sinforme-en-sortant-son-portable-292660.html	<input type="checkbox"/>
	2	Google search results, "when did apple introduce the fingerprint sensor on the iphone?", https://www.google.com/search?q=when+did+apple+introduce+the+fingerprint+sensor+on+the+iphone%3F&rlz=1C5CHFA_enUS1053US1053&oq=&aqs=chrome.0.69i59i450l8.2238j0j15&sourceid=chrome&ie=UTF-8 . Searched 17 Oct. 2023.	<input type="checkbox"/>
	3	Google search results, "When was the first iphone released", https://www.google.com/search?q=when+was+the+first+iphone+released&rlz=1C5CHFA_enUS1053US1053&oq=&aqs=chrome.0.69i59i450l8.11471j0j15&sourceid=chrome&ie=UTF-8#vhid=qRi4cJnW7gdnuM&vssid=l . Searched 17 Oct. 2023.	<input type="checkbox"/>
	4	In Hanau, the mobile bus ticket is at the right price. 01net.com. 2 May 2005. Retrieved on 17 October 2023 from https://www.01net.com/actualites/a-hanau-le-portable-ticket-de-bus-joue-au-juste-prix-276000.html	<input type="checkbox"/>
	5	J. Weatherbed, "10 years ago, Apple finally convinced us to lock our phones / Before Touch ID and fingerprint scanners, most of us couldn't be bothered to set a PIN or password to protect our mobile devices." The Verge. 12 Sept. 2023. Retrieved on 17 Oct. 2023 from https://www.theverge.com/23868464/apple-iphone-touch-id-fingerprint-security-ten-year-anniversary .	<input type="checkbox"/>
	6	Telecoms - The contactless mobile revolution arrives in 2008. banquedesterritoires.fr. 21 December 2007. Retrieved on 4 October 2023 from https://www.banquedesterritoires.fr/la-revolution-mobile-sans-contact-arrive-en-2008	<input type="checkbox"/>

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	First Named Inventor	Peter D. Karabinis
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	Examiner Name	
	Attorney Docket Number	1348.002US8

EXAMINER SIGNATURE			
Examiner Signature	/MICHAEL T VU/	Date Considered	04/24/2024
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Signature	/Aaron Pederson/	Date (YYYY-MM-DD)	2023-10-17
Name/Print	Aaron Pederson	Registration Number	58607

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Doc code: IDS

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	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	OPAP
	Examiner Name	Docket CENTRAL
	Attorney Docket Number	1348.002US8

U.S. PATENTS

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	7233260	B2	2007-06-19	Tang et al.	

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	1	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 18/523,863, 02/06/2024, pp. 10	<input type="checkbox"/>
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Examiner Signature	/MICHAEL T VU/	Date Considered	04/24/2024
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Name/Print	Aaron Pederson	Registration Number	58607

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1	U.S. PATENT AND TRADEMARK OFFICE, "Non-Final Office Action", Application Serial No. 18/489,517, 12/13/2023, 7 pgs.	<input type="checkbox"/>
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Examiner Signature	/MICHAEL T VU/	Date Considered	04/24/2024
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18450517
	Filing Date		2023-08-16
	First Named Inventor	Peter D. Karabinis	
	Art Unit		
	Examiner Name		
	Attorney Docket Number		1348.002US8

CERTIFICATION STATEMENT

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OR

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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	/Aaron Pederson/	Date (YYYY-MM-DD)	2023-12-13
Name/Print	Aaron Pederson	Registration Number	58607

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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

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.

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18450517
	Filing Date	2023-08-16
	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	Michael T. Vu
	Attorney Docket Number	1348.002US8

U.S. PATENTS

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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U.S. PATENT APPLICATION PUBLICATIONS

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					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

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	2007109574	WO	A2	2007-09-27	Alberth et al.		<input type="checkbox"/>

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NON-PATENT LITERATURE DOCUMENTS

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

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	Attorney Docket Number		1348.002US8

	1	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 18/539,020, 03/21/2024, 6 pgs.	<input type="checkbox"/>
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EXAMINER SIGNATURE

Examiner Signature	/MICHAEL T VU/	Date Considered	04/24/2024
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Signature	/Aaron Pederson/	Date (YYYY-MM-DD)	2024-03-23
Name/Print	Aaron Pederson	Registration Number	58607

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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

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1	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 18/489,517, January 12, 2024, 12 pgs.	<input type="checkbox"/>
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If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/MICHAEL T VU/	Date Considered	04/24/2024
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Bibliographic Data

Application No: 18/450,517

Foreign Priority claimed: Yes No

35 USC 119 (a-d) conditions met: Yes No Met After Allowance

Verified and Acknowledged: /MICHAEL T VU/

Examiner's Signature

Initials

Title:

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT
RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
08/16/2023	455	2641	1348.002US8
RULE			

APPLICANTS

Telcom Ventures LLC, Miami, FL, UNITED STATES

INVENTORS

Peter D. Karabinis, Cary, NC, UNITED STATES

Rajendra Singh, Indian Creek Village, FL, UNITED STATES

CONTINUING DATA

This application is a CON of 17653748 03/07/2022 PAT 11770756

17653748 is a CON of 15929609 05/12/2020 PAT 11304118

15929609 is a CON of 16012513 06/19/2018 PAT 10660015

16012513 is a DIV of 15800885 11/01/2017 PAT 10219199

15800885 is a CON of 15251882 08/30/2016 PAT 9832708

15251882 is a CON of 12264711 11/04/2008 PAT 9462411

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

09/05/2023

** SMALL ENTITY **

STATE OR COUNTRY

UNITED STATES

ADDRESS

Carlson, Caspers, Vandenburg & Lindquist, P.A.

225 S. Sixth St.

Ste. 4200

Minneapolis, MN 55402

UNITED STATES

FILING FEE RECEIVED

\$1,136



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UNITED STATES DEPARTMENT OF COMMERCE
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Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO. Includes sub-tables for EXAMINER, ART UNIT, PAPER NUMBER, NOTIFICATION DATE, DELIVERY MODE.

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):

docketing@carlsoncaspers.com
eofficeaction@apcoll.com

DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. The present application is being examined under the pre-AIA first to invent provisions.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 03/23/2024, 02/09/2024, 01/23/2024, 12/13/2023, 11/28/2023, 10/17/2023, and 08/16/2023 are in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Drawings

3. The drawings were received on 08/16/2023. These drawings are considered by examiner.

Preliminary Amendment

4. Applicant submits the Preliminary Amendment on 12/13/2023.

Terminal Disclaimer

5. Examiner suggests the Assignee must submit the Terminal Disclaimer accordingly, in order to process of the application promptly.

Double Patenting

6. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

7. Claims 1, 9 are rejected on the ground of non-statutory obviousness-type double patenting as being unpatentable over claims 1, 11, 14 of Patent No. **11,770,756**.

Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims in the instant application was filed on 11/04/2008 is non-statutory and is broader than the ones in the patent and encompasses a similar invention as recited in the patent claims, i.e., a method comprising: sensing a physiological parameter; then determining whether or not the physiological parameter sensed satisfies a criterion; therefore, the claims are obviousness-type by the claims in U.S Patent No. **11,770,756** (See *In re Goodman*).

It is important to note that claimed features recited in claims 1, 11, 14 of U.S. Patent No. **11,770,756** are more specific than claimed features recited in claims 1, 9 of the Instant Application. Hence, the scope of claims of present application is now broader than U.S. Patent No **11,770,756**.

Many decisions support the fact that a broad or generic claim is obvious from a specific claim, i.e., an obvious variation. See *In re Van Ornum and Stang*, 214 USPQ 761 (CCPA 1982); *In re Goodman* (CA FC) 29 USPQ2d 2010 (12/3/1993); *In re Vogel and Vogel*; 164 USPQ 619 (CCPA 1970); *In re Berg* (CA FC) 46 USPQ2d 1226 (3/30/1998); *Eli Lilly and Co. v. Barr Laboratories Inc.*, 58 USPQ2d 1865 (CA FC 2001). It is well settled that omission of an element and its function in a combination is an obvious expedient if the remaining elements perform the same functions as before. This notion is supported by *In re KARLSON*, 136 USPQ 184 (1963); *In re Nelson*, 95 USPQ 82 (CCPA 1952); and *In re Eliot*, 25 USPQ 111 (CCPA 1935).

Dependent claims 3-4, 11-13, and 31 depend either directly or indirectly upon independent claims 1, 11, 14 of patent applications **11,770,756** is also rejected at least for the same reasons discussed above.

Claim Rejections - 35 USC § 103

8. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

9. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed

invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claims 1, 9 are rejected under 35 U.S.C. 103 as being unpatentable over Stivoric et al (US 2009/0177068), hereinafter "Stivoric", in view of Shoemaker (US 7,886,968), hereinafter "Shoemaker".

Regarding **claim 1**, Stivoric teaches a method comprising:

sensing a physiological parameter (pars [0011-0014]);

then determining whether or not the physiological parameter sensed satisfies a criterion (pars [0011-0013] [0015] [0019-0022]);

then responsive to determining that the physiological parameter-sensed satisfies the criterion (pars [0011-0015] [0019-0022]), enabling **at least one** first function and disabling a second function (pars [0011-0015] [0019-0022]); then repeatedly sensing said physiological parameter and repeatedly deciding (pars [0011-0015] [0019-0022]), based on comparing the physiological parameter sensed to the criterion (pars [0011-0015] [0019-0022]), whether or not to maintain enabled said **at least one** first function while maintaining disabled said second function (pars [0011-0015] [0019-0022]); and

Stivoric does not explicitly teach maintaining enabled said at least one first function while maintaining disabled said second function responsive to deciding that the physiological parameter sensed satisfies the criterion; **OR** disabling said at least one first function and enabling said second function responsive to deciding that the physiological parameter sensed no longer satisfies the criterion.

Shoemaker, in the same field of endeavor, teaches maintaining enabled said at least one first function while maintaining disabled said second function responsive to deciding that the physiological parameter sensed satisfies the criterion (claim 1 teaches the authorization and the financial transaction is performed in responsive to detecting by the portable device and the target electronic device if said close proximity is detected reads on condition is satisfied); **Or** disabling said at least one first function and enabling said second function responsive to deciding that the physiological parameter sensed no longer satisfies the criterion.

Therefore, it would have been obvious before the effective filing date of the claimed invention to one of ordinary skill in the art to provide the above teaching of Stivoric to Shoemake, in order to provide portable wireless electronic devices have been widely employed to conduct transactions, and authentication data to authenticate the identity of the user of the portable wireless electronic device as a commercially-oriented transaction which transfer of electronic payment data in exchange for goods or services (as suggested by Shoemake in col. 1, lines 13-60).

Regarding to **claim 9**, the claim is interpreted and rejected for the same reason as set forth in claim 1.

Allowable Subject Matter

11. Claims 3-4, 11-13, 31 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

As to claims 3, 11, the prior art of record fails to disclose comprising: while said at least one first function is enabled, responsive to having sensed the physiological parameter and responsive to having determined that the physiological parameter ~~that is~~ sensed satisfies the criterion, using the at least one first function and requesting an authorization to establish a function to conduct a financial transaction; then responsive to the requesting, receiving the authorization to establish the function to conduct the financial transaction; and responsive to receiving the authorization, establishing the function to conduct the financial transaction; wherein prior to said requesting an authorization, the method comprises enabling a communications mode responsive to sensing the physiological parameter and responsive to determining that the physiological parameter is sensed satisfies the criterion; and then, requesting said authorization by using the communications mode that is enabled; wherein said requesting said authorization comprises wirelessly requesting said authorization using Wi-Fi and/or cellular frequencies; and then receiving said authorization via Wi-Fi and/or cellular frequencies as specified in the claim.

Conclusion

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL T VU whose telephone number is (571)272-8131. The examiner can normally be reached on 8:00AM to 6:00PM.

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, Charles Appiah can be reached on (571-272-7904). 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 <http://pair-direct.uspto.gov>. 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.

/MICHAEL T VU/

Primary Examiner, Art Unit 2641

<i>Index of Claims</i> 	Application/Control No. 18/450,517	Applicant(s)/Patent Under Reexamination Karabinis et al.
	Examiner MICHAEL T VU	Art Unit 2641


✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

CLAIMS									
<input type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47									
CLAIM			DATE						
Final	Original	04/24/2024							
	1	✓							
	2	-							
	3	O							
	4	O							
	5	-							
	6	-							
	7	-							
	8	-							
	9	✓							
	10	-							
	11	O							
	12	O							
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	33	-							

Search Notes 	Application/Control No. 18/450,517	Applicant(s)/Patent Under Reexamination Karabinis et al.
	Examiner MICHAEL T VU	Art Unit 2641

CPC - Searched*		
Symbol	Date	Examiner
H04W 48/04, H04W 4/02	04/24/2024	MTV

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* 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
Inventor Name: Peter D. Karabinis	04/24/2024	MTV
Assignee: Telcom Ventures LLC	04/24/2024	MTV
Double Patent Rejected	04/24/2024	MTV
OC Searched System	04/24/2024	MTV

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/MICHAEL T VU/ Primary Examiner, Art Unit 2641	
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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	151808	(physiological ADJ parameter)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 09:48 AM
L2	40798	(sens\$3 search\$3 scan\$4) near5 (physiological ADJ parameter)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 09:49 AM
L3	18	(sens\$3 search\$3 scan\$4) near5 (physiological ADJ parameter) SAME (detect\$3 determin\$4) SAME (first ADJ function) AND (second ADJ function)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 09:55 AM
L4	1	L3 AND (H04W4/02 OR H04W4/023 OR H04W4/029 OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2024/04/24 09:55 AM

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L6	242	(sens\$3 search\$3 scan\$4) WITH ((physiological ADJ parameter) (blood ADJ pressure) (body ADJ temperature) (breath\$3 ADJ rate) (heart ADJ rate) (blood oxygen)) SAME (detect\$3 determin\$4) SAME (first ADJ function) AND (second ADJ function)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 10:18 AM
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L8	70	L6 AND L7	TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 10:21 AM
L9	1	L8 AND ((H04W84/18 OR H04W88/02).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 10:21 AM
L10	4	L8 AND ((G06F1/16 OR G06F1/1605 OR G06F1/266 OR G06F13/385 OR G06F13/4081 OR G06F16/182 OR G06F16/22 OR G06F8/61 OR G06F8/65 OR G06F8/71 OR G06F17/00 OR G06F8/00).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 10:21 AM
L11	189	("20020170961" "20030172028" "20030220105" "20040030601" "20040143505" "2004014355	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/04/24 11:01 AM

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L13	58	H04W4/029 OR H04W4/50 OR H04W72/51 OR H04W12/068 OR H04W12/082 OR H04W12/12 OR H04W12/50 OR H04W28/20 OR H04W28/26 OR H04W36/14 OR H04W36/22 OR H04W36/38 OR H04W4/021 OR H04W4/024 OR H04W4/026 OR H04W4/027 OR H04W4/20 OR H04W48/02 OR H04W48/08 OR H04W52/0235 OR H04W52/028 OR H04W52/287 OR H04W72/02 OR H04W72/1215 OR H04W76/12 OR H04W80/00 OR H04W84/04 OR H04W84/042 OR H04W88/16 OR H04W92/02 OR H04W92/10 OR H04W92/12 OR H04W92/14 OR H04W12/03 OR H04W12/033 OR H04W12/04 OR H04W12/088 OR H04W12/30 OR H04W12/61 OR H04W12/64 OR H04W12/65 OR H04W12/77 OR H04W24/10 OR H04W36/1446 OR H04W4/90 OR H04W52/0229 OR H04W72/569 OR H04W76/27 OR H04W76/50).cpc.)	L11 AND ((G06Q20/20 OR G06Q20/322 OR G06Q20/327 OR G06Q20/3278 OR G06Q20/32 OR G06Q20/04 OR G06Q20/40 OR G06Q20/12 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2024/04/24 11:02 AM
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L15	20	H04L9/3268 OR H04L9/3271 OR H04L5/001 OR H04L5/0041 OR H04L67/131).cpc.) L11 AND ((H04M15/00 OR H04M2215/2026 OR H04M2215/32 OR H04M2250/02 OR H04M2250/06 OR H04M1/2535 OR H04M1/6066 OR H04M1/72412 OR H04M15/68 OR H04M17/00 OR H04M2215/0196 OR H04M2250/12 OR H04M1/0285 OR H04M1/605 OR H04M1/665 OR H04M1/72403 OR H04M1/72502 OR H04M1/733 OR H04M11/04 OR H04M17/026 OR H04M2250/14 OR H04M2250/22 OR H04M7/006 OR H04M1/72454 OR H04M1/7246).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 11:02 AM
L16	3	L11 AND ((H04B5/77 OR H04B5/72).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 11:03 AM
L17	1067	(enabl\$3 disabl\$3) WITH (authorization) SAME (financial NEAR transaction)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO,	OR	ON	ON	2024/04/24 02:06 PM

L18	172	(enabl\$3 disabl\$3) WITH (authorization) SAME (financial NEAR transaction) SAME wireless	RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 02:11 PM
L19	55	L7 AND L18	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 02:11 PM
L20	4142793	((physiological ADJ parameter) (blood ADJ pressure) (body ADJ temperature) (breath\$3 ADJ rate) (heart ADJ rate) (blood oxygen)) SAME (detect\$3 determin\$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 02:14 PM
L21	9	L18 AND 20	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2024/04/24 02:14 PM

L22	82	(enabl\$3 disabl\$3) WITH (authorization) SAME (financial NEAR transaction) AND (physiological ADJ parameter) (blood ADJ pressure) (body ADJ temperature) (breath\$3 ADJ rate) (heart ADJ rate) (blood oxygen))	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 02:25 PM
L23	43	("7721322" "7971062" "8127142" "8127982" "8205249" "8261089" "8346924" "8510797" "8510811" "8516542" "8572714" "8612357" "8756661" "8776204" "20030115142" "20040155101" "20070011066" "20070033136" "20070156611" "20070262136" "20090132808" "20090259838" "20100228996" "20110035788" "20110086612" "20110173017" "20110173448" "20110288996" "20110296513" "20110307949" "20120192260" "20120330788" "20130047202" "20130047213" "20130111549"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/04/24 02:32 PM

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L25	2	"20080242274" "20080255993" "20110191280").pn. AND (PGPB USPT USOC).dbnm. "11770756".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 03:34 PM
L26	27	L22 AND ((H04W4/80 OR H04W4/029 OR H04W4/023 OR H04W48/04 OR H04W76/10 OR H04W88/06 OR H04W12/06 OR H04W4/02 OR H04W12/02 OR H04W12/03 OR H04W12/04 OR H04W4/40 OR H04W4/44 OR H04W4/46 OR H04W12/08 OR H04W12/33 OR H04W12/64 OR H04W4/021 OR H04W4/33 OR H04W4/70 OR H04W12/033 OR H04W12/065 OR H04W12/069 OR H04W12/084 OR H04W12/106 OR H04W12/65 OR H04W88/02).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 07:00 PM
L27	39	L22 AND ((G06F21/32 OR G06F21/35 OR G06F21/6245 OR G06F21/31 OR G06F16/248 OR G06F16/951 OR G06F3/011 OR G06F21/6254 OR G06F21/83 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2024/04/24 07:00 PM

L28	53	<p>G06F18/28 OR G06F21/00 OR G06F21/30 OR G06F21/34 OR G06F21/40 OR G06F21/554 OR G06F21/606 OR G06F21/86 OR G06F2211/008 OR G06F2221/2111 OR G06F2221/2117 OR G06F21/6218 OR G06F21/6227 OR G06F21/64 OR G06F2221/2141).cpc.)</p> <p>L22 AND ((G06Q30/0601 OR G06Q20/40 OR G06Q20/32 OR G06Q20/401 OR G06Q20/405 OR G06Q20/105 OR G06Q20/18 OR G06Q20/3224 OR G06Q20/3278 OR G06Q20/4012 OR G06Q2220/00 OR G06Q10/20 OR G06Q20/108 OR G06Q20/12 OR G06Q20/14 OR G06Q20/308 OR G06Q30/012 OR G06Q30/0206 OR G06Q30/0208 OR G06Q30/0609 OR G06Q30/0613 OR G06Q30/0625 OR G06Q30/0635 OR G06Q30/0637 OR G06Q10/0832 OR G06Q20/10 OR G06Q20/34 OR G06Q20/3821 OR G06Q50/12 OR G06Q20/367 OR G06Q20/40145 OR G06Q20/02 OR G06Q20/341 OR G06Q20/4014 OR G06Q20/20 OR G06Q20/3227 OR G06Q20/3674 OR G06Q20/382 OR G06Q20/3829 OR G06Q20/385 OR G06Q20/42 OR</p>	<p>NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)</p> <p>(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)</p>	OR	ON	ON	2024/04/24 07:00 PM
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L29	17	G06Q30/02 OR G06Q40/00 OR G06Q20/102 OR G06Q20/204 OR G06Q20/322 OR G06Q20/327 OR G06Q20/4016 OR G06Q30/06 OR G06Q20/00 OR G06Q20/04 OR G06Q20/045 OR G06Q20/047 OR G06Q20/0855 OR G06Q20/145 OR G06Q20/223 OR G06Q20/3223 OR G06Q20/3226 OR G06Q20/325 OR G06Q20/3678 OR G06Q20/381 OR G06Q20/38215 OR G06Q20/3827 OR G06Q20/389 OR G06Q20/409 OR G06Q20/4097 OR G06Q30/0611 OR G06Q40/02 OR G06Q50/01 OR G06Q10/08 OR G06Q10/109 OR G06Q20/1085 OR G06Q20/209 OR G06Q20/227 OR G06Q20/306 OR G06Q20/321 OR G06Q20/3221 OR G06Q20/3576 OR G06Q20/36 OR G06Q20/363 OR G06Q20/3676 OR G06Q20/4018 OR G06Q20/4037 OR G06Q30/0207 OR G06Q30/0277 OR G06Q30/0641 OR G06Q40/04 OR G06Q40/12 OR G06Q40/125 OR G06Q50/04 OR G06Q50/184 OR G06Q50/22).cpc.)	L22 AND ((H04B5/79 OR H04B5/72 OR H04B2203/5445).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2024/04/24 07:01 PM
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L30	10	L6 AND ((H04W88/02 OR H04W12/06 OR H04W12/33 OR H04W4/00 OR H04W68/005 OR H04W84/18 OR H04W4/02 OR H04W4/023 OR H04W4/029 OR H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W88/06).cpc.)	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/25 10:37 AM
L31	242	(sens\$3 search\$3 scan\$4) WITH ((physiological ADJ parameter) (blood ADJ pressure) (body ADJ temperature) (breath\$3 ADJ rate) (heart ADJ rate) (blood oxygen)) SAME (detect\$4 determin\$4) SAME (first ADJ function) AND (second ADJ function)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/25 10:37 AM
L32	5	L31 AND ((H04W88/02 OR H04W12/06 OR H04W12/33 OR H04W4/00 OR H04W68/005 OR H04W84/18 OR H04W4/02 OR H04W4/023 OR H04W4/029 OR H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/25 10:38 AM
L33	14	L31 AND ((US-PGPUB; USPAT;	OR	ON	ON	2024/04/25

L34	5	(H04L63/0861 OR H04L12/40045 OR H04L69/329 OR H04L9/40 OR H04L12/10 OR H04L12/2816 OR H04L12/40039 OR H04L2012/2841 OR H04L2012/2849 OR H04L2012/40221 OR H04L2012/4026 OR H04L5/0033 OR H04L67/125 OR H04L67/52).cpc.)	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	10:38 AM 2024/04/25 10:38 AM
L35	14	L31 AND ((G06Q30/02 OR G06Q50/22 OR G06Q30/0601 OR G06Q50/10).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/25 10:39 AM
L36	7	L31 AND ((H04L63/0861 OR H04L12/40045 OR H04L69/329 OR H04L9/40 OR H04L12/10 OR H04L12/2816 OR H04L12/40039 OR H04L2012/2841 OR H04L2012/2849 OR H04L2012/40221 OR H04L2012/4026 OR H04L5/0033 OR H04L67/125 OR H04L67/52).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/25 10:40 AM

L37	5	L31 AND ((H04W88/02 OR H04W12/06 OR H04W12/33 OR H04W4/00 OR H04W68/005 OR H04W84/18 OR H04W4/02 OR H04W4/023 OR H04W4/029 OR H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W88/06).cpc.)	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/25 10:41 AM
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PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.



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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO. Includes sub-tables for EXAMINER, ART UNIT, PAPER NUMBER, NOTIFICATION DATE, DELIVERY MODE.

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):

docketing@carlsoncaspers.com
eofficeaction@apcoll.com

<i>Applicant-Initiated Interview Summary</i>	Application No. 18/450,517	Applicant(s) Karabinis et al.		
	Examiner MICHAEL T VU	Art Unit 2641	AIA (First Inventor to File) Status No	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
MICHAEL T VU	Primary Examiner	Telephonic
Aaron Pederson	Attorney	

Date of Interview: 20 May 2024

Issues Discussed:

Other

Applicant's representative (Aaron Pederson) discussed and explained the invention of claim 1 to get clarification and addition advisement, Further discussed the proposed amendment sent via email on May 7, 2024. The Examiner suggests that the applicant should clarify the physiological parameter, however, the Examiner could not find the physiological parameter that define in the Applicant's specification rather than a physiological state, a psychological state, etc. furthermore, the Examiner suggests the Applicant should clarify or define the first function and the second function of the smart phone. In order to place the application in condition for allowance, however, it was not reached at this time.

/MICHAEL T VU/ Primary Examiner, Art Unit 2641	
<p>Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04</p> <p>Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing</p>	

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 18/450,517
Applicant : Telcom Ventures LLC
Filed : August 16, 2023
Art Unit : 2641
Examiner : Michael T VU
Confirmation No.: 6221
Docket No. : 1348.002US8
Customer No. : 138517
Title : MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT
RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

RESPONSE TO NON-FINAL OFFICE ACTION

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

Sir:

In response to the Non-Final Office Action mailed April 30, 2024, please consider the following:

Amendments to the Claims, beginning at page 2 of this paper; and

Remarks, beginning on page 10 of this paper.

Should any fee be deemed to be due for this filing or any other fees required for the subject application, please charge the appropriate amount to Deposit Account No. 502880.

AMENDMENTS TO THE CLAIMS

Listing of Claims:

1. (Previously Presented) A method comprising:
sensing a physiological parameter; then
determining whether or not the physiological parameter sensed satisfies a criterion; then
responsive to determining that the physiological parameter sensed satisfies the criterion,
enabling at least one first function and disabling a second function; then
repeatedly sensing said physiological parameter and repeatedly deciding, based on
comparing the physiological parameter sensed to the criterion, whether or not to maintain
enabled said at least one first function while maintaining disabled said second function; and
maintaining enabled said at least one first function while maintaining disabled said second
function responsive to deciding that the physiological parameter sensed satisfies the criterion; or
disabling said at least one first function and enabling said second function responsive to
deciding that the physiological parameter sensed no longer satisfies the criterion.

2. (Cancelled)

3. (Previously Presented) The method of Claim 1, further comprising:
while said at least one first function is enabled, responsive to having sensed the physiological
parameter and responsive to having determined that the physiological parameter sensed satisfies
the criterion, using the at least one first function and requesting an authorization to establish a
function to conduct a financial transaction; then
responsive to the requesting, receiving the authorization to establish the function to conduct
the financial transaction; and
responsive to receiving the authorization, establishing the function to conduct the financial
transaction;
wherein prior to said requesting an authorization, the method comprises enabling a
communications mode responsive to sensing the physiological parameter and responsive to
determining that the physiological parameter sensed satisfies the criterion; and then, requesting
said authorization by using the communications mode that is enabled;

wherein said requesting said authorization comprises wirelessly requesting said authorization using Wi-Fi and/or cellular frequencies; and then receiving said authorization via Wi-Fi and/or cellular frequencies.

4. (Currently Amended) The method of Claim 3, further comprising:

responsive to satisfying a proximity condition relative to an entity and responsive to sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function that has been established to conduct the financial transaction and conducting the financial transaction by paying for a product;

wherein said paying for a product comprises sensing that the proximity condition is satisfied relative to an access point maintained by a vendor at a point of purchase counter, by detecting a short-range signal that is transmitted by the access point, determining that the physiological parameter sensed satisfies the criterion and then, responsive to having sensed that the proximity condition is satisfied relative to the access point and having determined that the physiological parameter sensed satisfies the criterion, paying for the product by selectively sending information to at least one device;

wherein said paying for the product by selectively sending information to at least one device comprises selectively and wirelessly transmitting information to the at least one device using unlicensed frequencies; and

wherein said paying for ~~[[a]]~~ the product by selectively sending information to at least one device further comprises ~~deducting/withdrawing~~ causing an amount of money to be deducted from an account.

5–8. (Cancelled)

9. (Previously Presented) A first device that comprises a smartphone and a sensor; wherein the first device is configured to perform operations comprising:

sensing, using the sensor, a physiological parameter of a user of the first device; then determining whether or not the physiological parameter sensed satisfies a criterion; then responsive to determining that the physiological parameter sensed satisfies the criterion, enabling at least one first function and disabling a second function; then

repeatedly sensing said physiological parameter and repeatedly deciding, based on comparing the physiological parameter sensed to the criterion, whether or not to maintain enabled said at least one first function while maintaining disabled said second function; and maintaining enabled said at least one first function while maintaining disabled said second function responsive to deciding that the physiological parameter sensed satisfies the criterion; or disabling said at least one first function and enabling said second function responsive to deciding that the physiological parameter sensed no longer satisfies the criterion.

10. (Cancelled)

11. (Previously Presented) The first device of Claim 9, wherein the operations further comprise:

while said at least one first function is enabled, responsive to having sensed the physiological parameter and responsive to having determined that the physiological parameter sensed satisfies the criterion, requesting from a second device an authorization to establish at the first device a function to conduct a financial transaction; then

responsive to the requesting, receiving from the second device the authorization to establish the function to conduct the financial transaction; and

responsive to receiving the authorization, establishing at the first device the function to conduct the financial transaction;

wherein prior to said requesting from a second device an authorization to establish at the first device a function to conduct a financial transaction, the operations further comprise: enabling a communications mode responsive to sensing the physiological parameter and responsive to determining that the physiological parameter sensed satisfies the criterion; and then, requesting said authorization by using said communications mode that is enabled;

wherein said requesting said authorization comprises wirelessly and selectively requesting said authorization using Wi-Fi and/or cellular frequencies; and then receiving said authorization via Wi-Fi and/or cellular frequencies.

12. (Currently Amended) The first device of Claim 11, wherein the operations further comprise:

detecting that a proximity condition has been satisfied relative to an entity;

sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion; and

using the function that has been established to conduct the financial transaction and conducting the financial transaction by paying for a product;

wherein said paying for a product comprises sensing that the proximity condition is satisfied relative to an access point maintained by a vendor at a point of purchase counter, by detecting a short-range signal that is transmitted by the access point, determining that the physiological parameter sensed satisfies the criterion and then, responsive to having sensed that the proximity condition is satisfied relative to the access point and having determined that the physiological parameter sensed satisfies the criterion, paying for the product by selectively sending information to at least one device;

wherein said paying for the product by selectively sending information to at least one device comprises selectively and wirelessly transmitting information to the at least one device using unlicensed frequencies; and

wherein said paying for ~~[[a]]~~ the product by selectively sending information to at least one device further comprises ~~deducting/withdrawing~~ causing an amount of money to be deducted from an account.

13. (Currently Amended) The first device of Claim 12,

wherein said using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in a Time Division Duplex operation; and

wherein said selectively sending information to at least one device further comprises selectively sending information to the access point maintained by the vendor at the point of purchase counter and causing information to be sent to at least one other device that is predetermined; and selectively receiving information from the access point maintained by the vendor at the point of purchase counter and/or from at least one other device that is predetermined.

14 – 30. (Cancelled)

31. (Currently Amended) The method of Claim 4,

wherein said using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in a Time Division Duplex operation; and

wherein said selectively sending information to at least one device further comprises selectively sending information to the access point maintained by the vendor at the point of purchase counter and causing information to be sent to at least one other device that is predetermined; and selectively receiving information from the access point maintained by the vendor at the point of purchase counter and/or from at least one other device that is predetermined.

32. – 33 (Cancelled)

34. (New) A method for operating a smartphone, the method comprising:
sensing at least one parameter; then
determining whether or not the at least one parameter sensed satisfies a criterion; then
responsive to determining that the at least one parameter sensed satisfies the criterion,
enabling at least one first function of the smartphone and disabling a second function of the smartphone; then
repeatedly sensing said at least one parameter and repeatedly deciding, based on comparing the at least one parameter sensed to the criterion, whether or not to maintain enabled said at least one first function while maintaining disabled said second function; and
maintaining enabled said at least one first function while maintaining disabled said second function responsive to deciding that the at least one parameter sensed satisfies the criterion; or
disabling said at least one first function and enabling said second function responsive to deciding that the at least one parameter sensed no longer satisfies the criterion;
wherein said sensing at least one parameter comprises sensing a physiological state.

35. (New) The method of Claim 34, wherein enabling said at least one first function includes enabling a communications mode of the smartphone, the method further comprising:

while said communications mode is enabled, responsive to having sensed the at least one parameter and responsive to having determined that the at least one parameter sensed satisfies the criterion, requesting an authorization to establish a function to conduct a financial transaction; then

responsive to the requesting, receiving the authorization to establish the function to conduct the financial transaction; and

responsive to receiving the authorization, establishing the function to conduct the financial transaction;

wherein said requesting said authorization comprises wirelessly requesting said authorization using Wi-Fi and/or cellular frequencies; and then receiving said authorization via Wi-Fi and/or cellular frequencies.

36. (New) The method of Claim 35, further comprising:

responsive to satisfying a proximity condition relative to an entity and responsive to sensing the at least one parameter and determining that the at least one parameter sensed satisfies the criterion, using the function that has been established to conduct the financial transaction and conducting the financial transaction by paying for a product;

wherein said paying for a product comprises sensing that the proximity condition is satisfied relative to an access point maintained by a vendor at a point of purchase counter, by detecting a short-range signal that is transmitted by the access point, determining that the at least one parameter sensed satisfies the criterion and then, responsive to having sensed that the proximity condition is satisfied relative to the access point and having determined that the at least one parameter sensed satisfies the criterion, paying for the product by selectively sending information to at least one device;

wherein said paying for the product by selectively sending information to at least one device comprises selectively and wirelessly transmitting information to the at least one device using unlicensed frequencies; and

wherein said paying for the product by selectively sending information to at least one device further comprises causing an amount of money to be deducted from an account.

37. (New) The method of Claim 36,

wherein said using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in a Time Division Duplex operation; and

wherein said selectively sending information to at least one device further comprises selectively sending information to the access point maintained by the vendor at the point of purchase counter and causing information to be sent to at least one other device that is

predetermined; and selectively receiving information from the access point maintained by the vendor at the point of purchase counter and from at least one other device that is predetermined.

38. (New) A first device that comprises a smartphone having a sensor; wherein the first device is configured to perform operations comprising:
sensing, using the sensor, at least one parameter of a user of the first device; then
determining whether or not the at least one parameter sensed satisfies a criterion; then
responsive to determining that the at least one parameter sensed satisfies the criterion,
enabling at least one first function and disabling a second function; then
repeatedly sensing said at least one parameter and repeatedly deciding, based on comparing the at least one parameter sensed to the criterion, whether or not to maintain enabled said at least one first function while maintaining disabled said second function; and
maintaining enabled said at least one first function while maintaining disabled said second function responsive to deciding that the at least one parameter sensed satisfies the criterion; or
disabling said at least one first function and enabling said second function responsive to deciding that the at least one parameter sensed no longer satisfies the criterion;
wherein said sensing, using the sensor, at least one parameter comprises sensing, using the sensor, a physiological state.

39. (New) The first device of Claim 38, wherein enabling said at least one first function includes enabling a communications mode of the smartphone, and wherein the operations further comprise:
while said communications mode is enabled, responsive to having sensed the at least one parameter and responsive to having determined that the at least one parameter sensed satisfies the criterion, requesting an authorization to establish at the first device a function to conduct a financial transaction; then
responsive to the requesting, receiving the authorization to establish the function to conduct the financial transaction; and
responsive to receiving the authorization, establishing at the first device the function to conduct the financial transaction;

wherein said requesting said authorization comprises wirelessly and selectively requesting said authorization using Wi-Fi and/or cellular frequencies; and then receiving said authorization via Wi-Fi and/or cellular frequencies.

40. (New) The first device of Claim 39, wherein the operations further comprise:
detecting that a proximity condition has been satisfied relative to an entity;
sensing the at least one parameter and determining that the at least one parameter sensed satisfies the criterion; and

using the function that has been established to conduct the financial transaction and conducting the financial transaction by paying for a product;

wherein said paying for a product comprises sensing that the proximity condition is satisfied relative to an access point maintained by a vendor at a point of purchase counter, by detecting a short-range signal that is transmitted by the access point, determining that the at least one parameter sensed satisfies the criterion and then, responsive to having sensed that the proximity condition is satisfied relative to the access point and having determined that the at least one parameter sensed satisfies the criterion, paying for the product by selectively sending information to at least one device;

wherein said paying for the product by selectively sending information to at least one device comprises selectively and wirelessly transmitting information to the at least one device using unlicensed frequencies; and

wherein said paying for the product by selectively sending information to at least one device further comprises causing an amount of money to be deducted from an account.

41. (New) The first device of Claim 40,

wherein said using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in a Time Division Duplex operation; and

wherein said selectively sending information to at least one device further comprises selectively sending information to the access point maintained by the vendor at the point of purchase counter and causing information to be sent to at least one other device that is predetermined; and selectively receiving information from the access point maintained by the vendor at the point of purchase counter and from at least one other device that is predetermined.



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**APPLICATION #
18/450,517**

**RECEIPT DATE / TIME
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1348.002US8**

Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6221	FILED BY	SAGE KRUSE
PATENT CENTER #	66089433	FILING DATE	08/16/2023
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Aaron Pederson

Documents

TOTAL DOCUMENTS: 3

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
ResptoNFOA1348002US8.pdf	14	-	77 KB
ResptoNFOA1348002US8-A...pdf	(1-1) 1	Amendment/Request for Reconsideration-After Non-Final Rejection	17 KB
ResptoNFOA1348002US8-CLM.pdf	(2-9) 8	Claims	43 KB
ResptoNFOA1348002US8-REM.pdf	(10-14) 5	Applicant Arguments/Remarks Made in an Amendment	43 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
ResptoNFOA1348002US8.pdf	F7AE1243F93FAACD7AE81AB63C2C8D0A6C87FBB19E7D0492 F6EF7AFDBE391002C655D749C9AF98E375479DB7098BB6DA5 EA2C2EC72D3E19AAFA071274FE4F103
ResptoNFOA1348002US8- A....pdf	C8ACD69E1C21A53E56C65396A2B168B5AC82EC545540CD3E 999FB369B3D81282814F6C252807B72526B09D7B7AFA0B45FE 6E24D464843762771063A43EA1D1D1
ResptoNFOA1348002US8- CLM.pdf	72929370BCF5E5CC448E679AD57DF916C105525F760F2E0607 6F1F6AEC50E207C813EF6807F43B65B3D1AD06DD4A59104D8 15333861B85CBBB127DAB448227AC
ResptoNFOA1348002US8- REM.pdf	C6998F69B37972765DA9C0E6A47E64A752D2DFE3E955A13DF 01E7703762FAD5979E0173AF4B45CD09EDFD15A467A3A572D C20D22EFDB350CFC001507CAF5AFF

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 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

This paper is responsive to the Non-Final Office Action dated April 30, 2024, wherein independent claims 1 and 9 were rejected, while dependent claims 3-4, 11-13 and 31 were objected to. With this paper, new claims 34-41 are added and claims 4, 12, 13, and 31 are amended. Upon entry, claims 1, 3-4, 9, 11-13, 31, and 34-41 will be pending in this application. Reconsideration and further prosecution of the present application is respectfully requested.

Examiner Interview Summary

Applicant's representative, Aaron Pederson (Reg. No. 58,607) thanks Examiner Vu for the opportunity to discuss aspects of the subject application in a telephone call on May 20, 2024. During the telephone call, proposed amendments to claim 1 were discussed. The Examiner also raised a discussion of the physical parameter and first and second function language of the claims. No agreement was reached as to any of the rejections.

Applicant believes the substance and scope of the telephone conversation on May 20, 2024, with respect to this application is accurately captured in the summary above.

Double Patenting

Claims 1 and 9 are rejected on the ground of non-statutory obviousness-type double patenting as being unpatentable over claims 1, 11 and 14 of Patent No. 11,770,756. Applicant respectfully traverses these rejections. Applicant respectfully points out that nowhere do claims 1, 11 and 14 of Patent No. 11,770,756 recite:

*“**repeatedly sensing** said physiological parameter **and repeatedly deciding**, based on comparing the physiological parameter sensed to the criterion, whether or not to maintain enabled said at least one first function while maintaining disabled said second function; and*

maintaining enabled said at least one first function while maintaining disabled said second function responsive to deciding that the physiological parameter sensed satisfies the criterion; or

***disabling said at least one first function and enabling said second function responsive to deciding that the physiological parameter sensed no longer satisfies the criterion”** (Emphasis Added).*

Application No. 18/450,517

Response to Non-Final Office Action mailed April 30, 2024

The above elements of the invention as specified by independent claims 1 and 9 of the present application are believed to be patentably distinct over the inventions specified by claims 1, 11 and 14 of Patent No. 11,770,756. Accordingly, Applicant respectfully asserts the no Terminal Disclaimer need be filed with respect to Patent No. 11,770,756.

Rejections Under 35 U.S.C. § 103

Claims 1 and 9 are rejected under 35 USC § 103 as being unpatentable over Stivoric et al. (US 2009/0177068) in view of Shoemaker (US 7,886,968). Applicant respectfully traverses these rejections.

Independent claim 1 recites in pertinent part:

repeatedly sensing said physiological parameter and **repeatedly deciding**, based on comparing the physiological parameter sensed to the criterion, **whether or not to maintain enabled said at least one first function while maintaining disabled said second function** (Emphasis Added).

Claim 9 includes similar language. The Office Action cited paragraphs [0011-0015] and [0019-0022] of Stivoric as disclosing this language. The Office Action, however, has not identified any specific language or provided any explanation as to how these paragraphs disclose this language from claim 1. A mere cite to a large number of paragraphs without any explanation, is not sufficient to make a prima facie case of obviousness, particularly when, as here, the paragraphs discuss disparate embodiments and are only tangentially related to one another. Because of the failure to make a prima facie case of obviousness, Applicant respectfully requests further explanation of the rejections or review and withdrawal of the rejections to claims 1 and 9 in view of Stivoric and Shoemaker. Stated differently, Applicant respectfully asserts that the references cited by the Examiner do not teach or anticipate the “***repeatedly sensing ... and repeatedly deciding***” recitation of independent claims 1 and 9. Applicant further respectfully asserts that the references used by the Examiner fail to teach or anticipate “***enabling at least one function and disabling a second function***”. Accordingly, Applicant respectfully requests reconsideration by the Examiner and allowance of independent claims 1 and 9 on the merits thereof.

Claim Language

With regards to the discussion on the claim language during the Examiner interview, Applicant provides the following observations. Paragraph [00026] of the present application as filed states:

. . . **A wireless communications device** may be configured to estimate a location associated therewith and **may also be configured to estimate a value of at least one other parameter that may be associated with** the wireless communications device, an environment thereof and/or **an entity (living or otherwise)** that is associated with and/or is proximate to the wireless communications device. **The “at least one other parameter” may, for example, be** a velocity, acceleration, ToD, ToM, ToY, humidity, temperature, height, level of brightness, level of darkness, a blood pressure, a heart rate, a blood content, **a physiological state**, a psychological state, etc. As those skilled in the art will appreciate, the wireless communications device may be configured to estimate its location and the value of the “at least one other parameter” by, for example, processing GPS signals and/or by using other means and/or sensors that may, according to some embodiments, be device-based and/or network assisted/based means and/or sensors. (Emphasis Added).

Focusing on the highlighted sections of the above paragraph, we see that at least one teaching provided therein is: *A wireless communications device may be configured to estimate a value of at least one parameter that may be associated with an entity (living or otherwise). The “at least one parameter” may, for example, be a physiological state.* Accordingly, Applicant respectfully asserts that one of ordinary skill in the art to which this invention belongs would interpret “sensing a parameter” that is a “physiological state” to mean that the parameter that is sensed is a “physiological parameter”.

Furthermore, paragraph [00012] of the present application as filed states:

Unless otherwise defined, **all terms** (including technical and scientific terms) **used herein have the same meaning as commonly understood by one of ordinary skill in the art to which this invention belongs.** It will be further understood that terms, such as those defined in commonly used dictionaries, should be interpreted as having a meaning that is consistent with their meaning in the context of the relevant art and the present disclosure, and will not be interpreted in an idealized or overly formal sense unless expressly so defined herein. (Emphasis Added).

Thus, one of ordinary skill in the art to which this invention belongs would interpret “sensing a parameter” that is a “physiological state” to mean that the parameter that is sensed is a

“physiological parameter”. Stated differently, a parameter that is associated with a living entity is another way of saying a “physiological parameter”. Merriam Webster online offers the following definitions:

“physiological” is defined as:

“of or relating to physiology”

“physiology” is defined as:

1. a branch of biology that deals with the functions and activities of life or of living matter (such as organs tissues, or cells) and of the physical and chemical phenomena involved
2. the organic processes and phenomena of an organism or any of its parts or of a particular bodily process

A person skilled in the art would recognize that paragraph [00026] of the application describes the wireless communication device estimating a value of a physiological parameter. As further clarity, paragraph [00026] provides several examples of such a parameter including blood pressure, heart rate, blood content, physiological stage, and psychological state. These examples in combination with the description of a parameter associated with a living entity make it abundantly clear that the application describes a method and device that utilize a physiological parameter as recited in the claims.

With regards to the first and second function, the specification describes functions at many locations including, but not limited to, in paragraphs [0003], [0004], [0009], [0014], [0015], [0027], and FIG. 3.

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Response to Non-Final Office Action mailed April 30, 2024

SUMMARY

For the reasons set out above, Applicant respectfully submits that the application is in condition for allowance. Favorable reconsideration and allowance of the application is respectfully requested.

If the Examiner believes that anything further is necessary to place the application in better condition for allowance, the Examiner is asked to contact Applicant's undersigned representative at the telephone number below.

Customer No. 138517

Respectfully submitted,

Date: June 24, 2024

/Aaron W. Pederson/

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875		Application or Docket Number 18/450,517	Filing Date 08/16/2023	<input type="checkbox"/> To be Mailed	
ENTITY: <input type="checkbox"/> LARGE <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> MICRO					
APPLICATION AS FILED - PART I					
	(Column 1)	(Column 2)			
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A		
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small>	N/A	N/A	N/A		
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A		
TOTAL CLAIMS <small>(37 CFR 1.16(i))</small>	minus 20 = *		x \$40 =		
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 = *		x \$ 192 =		
<input type="checkbox"/> 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).				
<input type="checkbox"/> 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					
	(Column 1)	(Column 2)	(Column 3)		
AMENDMENT	06/24/2024 CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	* 16 <small>(37 CFR 1.16(i))</small>	Minus ** 27	= 0	x \$40 =	0
	* 4 <small>(37 CFR 1.16(h))</small>	Minus *** 4	= 0	x \$ 192 =	0
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))				
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))				
				TOTAL ADD'L FEE	0
AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	*	Minus **	=	x \$ 0 =	
	*	Minus ***	=	x \$ 0 =	
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))				
	<input type="checkbox"/> 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".				/AMANDA CHRISTINE LEMUS/	
*** 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.**

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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO. Includes sub-tables for EXAMINER, ART UNIT, PAPER NUMBER, NOTIFICATION DATE, DELIVERY MODE.

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):

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DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. The present application is being examined under the pre-AIA first to invent provisions.

Response to Arguments

2. Applicant newly added claims 34-41.
3. Applicant's Remarks/Arguments filed 06/24/2024, have been fully considered but they are not persuasive.

In response to applicant's Remarks/Arguments in claims 1, 9, 34, and 38 that reference Stivoric and Shoemaker do not teach or anticipate "**repeatedly sensing ... and repeatedly deciding**" on page 11.

Examiner respectfully disagrees with the applicant argument that Stivoric indeed teaches from Figure 9, repeatedly monitoring in found in paragraph [0125] indicated that "...Sleep graph 315 may also include a graphical representation of data from an accelerometer incorporated in sensor device 10 which monitors the movement of the body", in which reads on the limitation of repeatedly sensing and repeatedly deciding. Furthermore, Stivoric teaches repeatedly deciding based on a threshold (see paragraph [0152]) teaches "...Feedback may include, for example, celebratory, cautionary and other threshold or event driven messages, such as when a wearer

reaches a level of calories burned during workout...”, in which reads on the limitation of repeatedly sensing and repeatedly deciding.

In response to applicant’s Remarks/Arguments in claims 1, 9, 34, and 38 that reference Stivoric does not teach or anticipates “**enabling at least one function and disabling a second function**” on page 11.

Examiner respectfully disagrees. Stivoric (paragraph [0012]) indeed teaches that the FIRST SENSOR/SIGNALS determines HOW a second set of functions/sensors is utilized (i.e., it can be turned **ON or OFF**), which reads on the limitation of enabling/disabling first and second sensors based on a threshold. Moreover, Stivoric (paragraph [0012]) indeed teaches “....utilizing a first set of signals based on one or more of the plurality of sensor signals in a first function, the first function determining how a second set of signals based on one or more of the plurality of sensor signals is utilized in one or more second functions, each of the one or more second functions having an output, wherein one or more of the outputs are used to predict the state parameter of the individual.

The examiner notes that one skilled understands that it is well known to SWITCH between sensors based upon a threshold, i.e., a high blood pressure could trigger turning ON a heart rate monitor while turning off a non-important sensor such as tracking the number of steps taken, brain activity, glucose, etc.

The claims merely teach switching sensors ON and OFF based upon a threshold, which is well known and found in the prior art of record.

Therefore, the argued limitations are the same as disclosed by the reference or the limitations are written broad such that they read on the cited arts. The rejections are maintained as repeated below.

4. The examiner believes a more favorable outcome may occur if the applicant amends the independent claims (for expediting prosecution of the applicant) as follows:

- > Claim 1 + 3
- > Claim 9 + 11
- > Claim 34 + 35
- > Claim 38 + 39

Claim Rejections - 35 USC § 103

5. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

6. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1, 9, 34, 38 are rejected under 35 U.S.C. 103 as being unpatentable over Stivoric et al (US 2009/0177068), hereinafter "Stivoric", in view of Shoemaker (US 7,886,968), hereinafter "Shoemaker".

Regarding **claim 1**, Stivoric teaches a method comprising:

sensing a physiological parameter (pars [0011-0014]);

then determining whether or not the physiological parameter sensed satisfies a criterion (pars [0011-0013] [0015] [0019-0022]);

then responsive to determining that the physiological parameter-sensed satisfies the criterion (pars [0011-0015] [0019-0022]), enabling **at least one** first function and disabling a second function (pars [0011-0015] [0019-0022]); then repeatedly sensing said physiological parameter and repeatedly deciding (pars [0011-0015] [0019-0022]), based on comparing the physiological parameter sensed to the criterion (pars [0011-0015] [0019-0022]), whether or not to maintain enabled said **at least one** first function while maintaining disabled said second function (pars [0011-0015] [0019-0022]); and

Stivoric does not explicitly teach maintaining enabled said at least one first function while maintaining disabled said second function responsive to deciding that the physiological parameter sensed satisfies the criterion; **or** disabling said at least one first function and enabling said second function responsive to deciding that the physiological parameter sensed no longer satisfies the criterion.

Shoemaker, in the same field of endeavor, teaches maintaining enabled said at least one first function while maintaining disabled said second function responsive to deciding that the physiological parameter sensed satisfies the criterion (claim 1 teaches the authorization and the financial transaction is performed in responsive to detecting by

the portable device and the target electronic device if said close proximity is detected reads on condition is satisfied); **or** disabling said at least one first function and enabling said second function responsive to deciding that the physiological parameter sensed no longer satisfies the criterion.

Therefore, it would have been obvious before the effective filing date of the claimed invention to one of ordinary skill in the art to provide the above teaching of Stivoric to Shoemake, in order to provide portable wireless electronic devices have been widely employed to conduct transactions, and authentication data to authenticate the identity of the user of the portable wireless electronic device as a commercially-oriented transaction which transfer of electronic payment data in exchange for goods or services (as suggested by Shoemake in col. 1, lines 13-60).

Regarding to **claim 9**, the claim is interpreted and rejected for the same reason as set forth in claim 1.

Regarding to **claim 34**, the claim is interpreted and rejected for the same reason as set forth in claim 1.

Regarding to **claim 38**, the claim is interpreted and rejected for the same reason as set forth in claim 1.

Allowable Subject Matter

8. Claims 3-4, 11-13, 31, 35-37, 39-41 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

As to claims 3, 11, 35, 39, the prior art of record fails to disclose comprising: while said at least one first function is enabled, responsive to having sensed the physiological parameter and responsive to having determined that the physiological parameter ~~that is~~ sensed satisfies the criterion, using the at least one first function and requesting an authorization to establish a function to conduct a financial transaction; then responsive to the requesting, receiving the authorization to establish the function to conduct the financial transaction; and responsive to receiving the authorization, establishing the function to conduct the financial transaction; wherein prior to said requesting an authorization, the method comprises enabling a communications mode responsive to sensing the physiological parameter and responsive to determining that the physiological parameter is sensed satisfies the criterion; and then, requesting said authorization by using the communications mode that is enabled; wherein said requesting said authorization comprises wirelessly requesting said authorization using Wi-Fi and/or cellular frequencies; and then receiving said authorization via Wi-Fi and/or cellular frequencies as specified in the claim.

Conclusion

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL T VU whose telephone number is (571)272-8131. The examiner can normally be reached on 8:00AM to 6:00PM.

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, Charles Appiah can be reached on (571-272-7904. 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 <http://pair-direct.uspto.gov>. Should


Application/Control Number: 18/450,517
Art Unit: 2641

Page 9

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.


/MICHAEL T VU/

Primary Examiner, Art Unit 2641

<i>Index of Claims</i> 	Application/Control No. 18/450,517	Applicant(s)/Patent Under Reexamination Karabinis et al.
	Examiner MICHAEL T VU	Art Unit 2641

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS									
<input type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47									
CLAIM		DATE							
Final	Original	09/18/2024							
	1	✓							
	2	-							
	3	O							
	4	O							
	5	-							
	6	-							
	7	-							
	8	-							
	9	✓							
	10	-							
	11	O							
	12	O							
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	28	-							
	29	-							
	30	-							
	31	O							
	32	-							
	33	-							
	34	✓							
	35	O							
	36	O							
	37	O							
	38	✓							
	39	O							
	40	O							
	41	O							

Search Notes 	Application/Control No. 18/450,517	Applicant(s)/Patent Under Reexamination Karabinis et al.
	Examiner MICHAEL T VU	Art Unit 2641

CPC - Searched*		
Symbol	Date	Examiner
H04W 48/04, H04W 4/02	09/18/2024	MTV

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* 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
Inventor Name: Peter D. Karabinis	09/18/2024	MTV
Assignee: Telcom Ventures LLC	09/18/2024	MTV
OC Searched System	09/18/2024	MTV

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/MICHAEL T VU/ Primary Examiner, Art Unit 2641	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 18/450,517
Applicant : Telcom Ventures LLC
Filed : August 16, 2023
Art Unit : 2641
Examiner : Michael T VU
Confirmation No.: 6221
Docket No. : 1348.002US8
Customer No. : 138517
Title : MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT
RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

RESPONSE TO FINAL OFFICE ACTION

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

Sir:

In response to the Final Office Action mailed September 19, 2024, please consider the following:

Remarks, beginning on page 2 of this paper.

Should any additional fee be deemed to be due for this filing or any other fees required for the subject application, please charge the appropriate amount to Deposit Account No. 502880.



P.O. Box 1450
 Alexandria, VA 22313 - 1450
 www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION # 18/450,517	RECEIPT DATE / TIME 02/14/2025 03:25:46 PM Z ET	ATTORNEY DOCKET # 1348.002US8
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Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6221	FILED BY	SAGE KRUSE
PATENT CENTER #	69194389	FILING DATE	08/16/2023
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Aaron Pederson

Documents

TOTAL DOCUMENTS: 3

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
RespFOA1348002US8.pdf	3	-	22 KB
RespFOA1348002US8-AMSB.pdf	(1-1) 1	Amendment Submitted/Entered with Filing of Continued Prosecution Application (CPA)/Request for Continued Examination(RCE)	15 KB
RespFOA1348002US8-REM.pdf	(2-3) 2	Applicant Arguments/Remarks Made in an Amendment	18 KB
RCE1348002US8.pdf	3	Request for Continued Examination (RCE)	84 KB

Warning: This is not a USPTO supplied RCE fillable form. Data in the form cannot be automatically loaded to other USPTO systems.

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
RespFOA1348002US8.pdf	CCE1AC98A9157211CEB7106A8C58EDF6A1271603796E18654 E17C18296C14AEA4C1D03CC1C894501D0393ED4ABDEB23F4 3D0BEEC2C3AC0ACA0AE22884CCA4E01
RespFOA1348002US8- AMSB.pdf	81D5F5382EB1B8BA58A8ABF4F1164BB1AA2090530315364B0 90178B83E3D2A1211449814689A39D897BA4853299404F814D F1F9E9DA99FADA9F4B7383A524928
RespFOA1348002US8- REM.pdf	D30A30F5F1F0C2134B9C0AC6E39E758A196A7011A740E199F 5B1384EFB7468FB9F3048A0FDE2035D45DE65C62DB9E89777 FC42B560C979B01EDE5876BD8D098A
RCE1348002US8.pdf	EDC7A4E17E758BB57D45BCE6FFDF8F6EFE47D5CEBD95BF5 4340B00C1DD7A2CB279DE47193CEB2C1BC6F5CA229075856 CAB61C2C64AC766E66213531D36468950

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 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

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ELECTRONIC PAYMENT RECEIPT

APPLICATION # 18/450,517	RECEIPT DATE / TIME 02/14/2025 03:25:46 PM Z ET	ATTORNEY DOCKET # 1348.002US8
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Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6221	FILED BY	SAGE KRUSE
PATENT CENTER #	69194389	AUTHORIZED BY	Aaron Pederson
CUSTOMER #	138517	FILING DATE	08/16/2023
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Peter D. Karabinis

Payment Information

PAYMENT METHOD DA / 502880	PAYMENT TRANSACTION ID E20252DF26256318	PAYMENT AUTHORIZED BY SAGE KRUSE
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PRE-AUTHORIZED ACCOUNT 502880	PRE-AUTHORIZED CATEGORY 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)
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FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2252	EXTENSION FOR RESPONSE WITHIN SECOND MONTH, EXCEPT PROVISIONAL APPLICATIONS	276.00	1	276.00
2801	REQUEST FOR CONTINUED EXAMINATION (RCE) - 1ST REQUEST (SEE 37 CFR 1.114)	600.00	1	600.00
			TOTAL AMOUNT:	\$876.00

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 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.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL (Submitted Only via EFS-Web)							
Application Number	18450517	Filing Date	2023-08-16	Docket Number (if applicable)	1348.002US8	Art Unit	2641
First Named Inventor	Peter D. Karabinis			Examiner Name	Michael T. Vu		
<p>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</p>							
SUBMISSION REQUIRED UNDER 37 CFR 1.114							
<p>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).</p>							
<p><input type="checkbox"/> 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.</p> <p style="margin-left: 40px;"><input type="checkbox"/> Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____</p> <p style="margin-left: 40px;"><input type="checkbox"/> Other _____</p>							
<p><input checked="" type="checkbox"/> Enclosed</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> Amendment/Reply</p> <p style="margin-left: 40px;"><input type="checkbox"/> Information Disclosure Statement (IDS)</p> <p style="margin-left: 40px;"><input type="checkbox"/> Affidavit(s)/ Declaration(s)</p> <p style="margin-left: 40px;"><input type="checkbox"/> Other _____</p>							
MISCELLANEOUS							
<p><input type="checkbox"/> 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)</p> <p><input type="checkbox"/> Other _____</p>							
FEES							
<p>The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.</p> <p><input checked="" type="checkbox"/> The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No <u>502880</u></p>							
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED							
<p><input checked="" type="checkbox"/> Patent Practitioner Signature</p> <p><input type="checkbox"/> Applicant Signature</p>							

Doc code: RCEX

Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (01-22)

Approved for use through 05/31/2024 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	/Aaron Pederson/	Date (YYYY-MM-DD)	2025-02-14
Name	Aaron Pederson	Registration Number	58607

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.

REMARKS

This paper is responsive to the Final Office Action dated September 19, 2024, wherein independent claims 1, 9, and 34, 38 were rejected, while dependent claims 3-4, 11-13, 31, 35-37, and 39-41 were objected to. Reconsideration and further prosecution of the present application is respectfully requested.

Allowable Subject Matter

Applicant thanks the Examiner for the indication of allowable subject matter of claims 3-4, 11-13, 31, 35-37, and 39-41.

Rejections Under 35 U.S.C. § 103

Claims 1, 9, 34, and 38 are rejected under 35 USC § 103 as being unpatentable over Stivoric et al. (US 2009/0177068) in view of Shoemaker (US 7,886,968). Applicant respectfully traverses these rejections.

The Final Office Action asserted that Stivoric teaches “enabling at least one function and disabling a second function” in paragraph [0012]. Specifically, the Final Office Action asserts that this paragraph teaches determining how a second set of functions/sensors is utilized, which is a disclosure of turning ON and OFF first and second sensors based on a threshold.

Applicant respectfully submits that this is not what paragraph [0012] discloses. Paragraph [0012] discusses determining how a second set of signals is utilized, but it does not disclose turning ON or OFF the second sensors. In contrast, paragraph [0012] suggests that the second set of signals is always present (i.e., the second sensors are always ON) and the determination is how to utilize those signals, not whether they are present or not.

Similar language is present in each of claims 1, 9, 34, and 38. Accordingly, Applicant respectfully requests reconsideration by the Examiner and allowance of independent claims 1, 9, 34, and 38 on the merits thereof.

Application No. 18/450,517
Response to Final Office Action mailed September 19, 2024

SUMMARY

For the reasons set out above, Applicant respectfully submits that the application is in condition for allowance. Favorable reconsideration and allowance of the application is respectfully requested.

If the Examiner believes that anything further is necessary to place the application in better condition for allowance, the Examiner is asked to contact Applicant's undersigned representative at the telephone number below.

Customer No. 138517

Respectfully submitted,

Date: February 14, 2025

/Aaron W. Pederson/

Attorneys for Applicant
Carlson, Caspers, Vandenburg &
Lindquist, P.A.
225 S. Sixth St., Ste. 4200
Minneapolis, Minnesota 55402

Aaron Pederson
Registration No. 58607
Tel No. (612) 436-9609

Notice of References Cited	Application/Control No. 18/450,517	Applicant(s)/Patent Under Reexamination Karabinis et al.	
	Examiner MICHAEL T VU	Art Unit 2641	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Name	CPC Classification	US Classification
*	A US-20080266118-A1	2008-10-30	Pierson; Nicholas J.	A61B5/0205	340/573.6
*	B US-20100025238-A1	2010-02-04	Gottlieb; Rebecca K.	A61B5/14532	204/403.01
C					
D					
E					
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I					
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K					
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FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Country	Name	CPC Classification
N					
O					
P					
Q					
R					
S					
T					

NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	
V	
W	
X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in YYYY-MM-DD format are publication dates. Classifications may be US or foreign.



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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO. Includes sub-tables for EXAMINER, ART UNIT, PAPER NUMBER, NOTIFICATION DATE, DELIVERY MODE.

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):

docketing@carlsoncaspers.com
eofficeaction@apcoll.com

DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. The present application is being examined under the pre-AIA first to invent provisions.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/14/2025 has been entered.

Terminal Disclaimer

3. Examiner suggests the Assignee must submit the Terminal Disclaimer accordingly, in order to further advance prosecution of this instant application (see Office Action that rejected on the ground of non-statutory obviousness-type double patenting filed on 04/30/2024).

Claim Rejections - 35 USC § 103

4. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any

correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

5. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1, 9, 34, 38 are rejected under 35 U.S.C. 103 as being unpatentable over Pierson et al (US 2008/0266118), hereinafter "Pierson", in view of Gottlieb et al (US 2010/0025238), hereinafter "Gottlieb".

Regarding **claim 1**, Pierson teaches a method comprising: sensing a physiological parameter; then

determining whether or not the physiological parameter sensed satisfies a criterion (pars [0007] [0021]); then responsive to determining that the physiological parameter sensed satisfies the criterion (pars [0007] [0027-0028]),

enabling at least one first function and disabling a second function (pars [0022-0025] teach turn on/off); then

repeatedly sensing said physiological parameter and repeatedly deciding (pars [0007] [0025-0027]), based on comparing the physiological parameter sensed to the criterion (pars [0025-0027] [0057]), whether or not to maintain enabled said at least one

first function while maintaining disabled said second function (pars [0022] [0025-0027] [0057]); and

maintaining enabled said at least one first function while maintaining disabled said second function responsive to deciding that the physiological parameter sensed satisfies the criterion (pars [0022] [0025-0027] [0057]); **or**

disabling said at least one first function and enabling said second function responsive to deciding that the physiological parameter sensed no longer satisfies the criterion.

However, Pierson does not clearly teach sensing physiological parameter.

Gottlieb, in the same field of endeavor, teaches sensing physiological parameter (pars [0097] [0158] teach sensor used in physiological parameter and the sensor to a fuse element that is designed to trigger and turn off sensor function after a predetermined time period).

Therefore, it would have been obvious before the effective filing date of the claimed invention to one of ordinary skill in the art to provide the above teaching of Pierson to Gottlieb, in order to provide the use of sensors in the wide variety of situations in which the measurement of an analyte is desirable (as suggested by Gottlieb in paragraph [0007]).

Allowable Subject Matter

7. Claims 3-4, 11-13, 31, 35-37, 39-41 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

As to claims 3, 11, 35, 39, the prior art of record fails to disclose comprising: while said at least one first function is enabled, responsive to having sensed the physiological parameter and responsive to having determined that the physiological parameter ~~that is sensed~~ satisfies the criterion, using the at least one first function and requesting an authorization to establish a function to conduct a financial transaction; then responsive to the requesting, receiving the authorization to establish the function to conduct the financial transaction; and responsive to receiving the authorization, establishing the function to conduct the financial transaction; wherein prior to said requesting an authorization, the method comprises enabling a communications mode responsive to sensing the physiological parameter and responsive to determining that the physiological parameter is sensed satisfies the criterion; and then, requesting said authorization by using the communications mode that is enabled; wherein said requesting said authorization comprises wirelessly requesting said authorization using Wi-Fi and/or cellular frequencies; and then receiving said authorization via Wi-Fi and/or cellular frequencies as specified in the claim.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL T VU whose telephone number is (571)272-8131. The examiner can normally be reached on 8:00AM to 6:00PM.

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, Charles Appiah can be reached on (571-272-7904). 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 <http://pair-direct.uspto.gov>. 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.

/MICHAEL T VU/

Primary Examiner, Art Unit 2641

<i>Index of Claims</i> 	Application/Control No. 18/450,517	Applicant(s)/Patent Under Reexamination Karabinis et al.
	Examiner MICHAEL T VU	Art Unit 2641


✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

CLAIMS										
<input type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47										
CLAIM			DATE							
Final	Original	02/28/2025								
	1	✓								
	2	-								
	3	O								
	4	O								
	5	-								
	6	-								
	7	-								
	8	-								
	9	✓								
	10	-								
	11	O								
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	34	✓								
	35	O								
	36	O								
	37	O								
	38	✓								
	39	O								
	40	O								
	41	O								

Search Notes 	Application/Control No. 18/450,517	Applicant(s)/Patent Under Reexamination Karabinis et al.
	Examiner MICHAEL T VU	Art Unit 2641

CPC - Searched*		
Symbol	Date	Examiner
H04W 48/04, H04W 4/02	02/28/2025	MTV

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* 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
Inventor Name: Peter D. Karabinis	02/28/2025	MTV
Assignee: Telcom Ventures LLC	02/28/2025	MTV
OC Searched System	02/28/2025	MTV

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/MICHAEL T VU/ Primary Examiner, Art Unit 2641	
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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	151808	(physiological ADJ parameter)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 09:48 AM
L2	40798	(sens\$3 search\$3 scan\$4) near5 (physiological ADJ parameter)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 09:49 AM
L3	18	(sens\$3 search\$3 scan\$4) near5 (physiological ADJ parameter) SAME (detect\$3 determin\$4) SAME (first ADJ function) AND (second ADJ function)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 09:55 AM
L4	1	L3 AND (H04W4/02 OR H04W4/023 OR H04W4/029 OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2024/04/24 09:55 AM

L5	2	H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W88/06).cpc.) L3 AND ((G06Q30/0601 OR G06F17/00 OR G06F8/00 OR H04L67/52).cpc.)	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 09:57 AM
L6	242	(sens\$3 search\$3 scan\$4) WITH (physiological ADJ parameter) (blood ADJ pressure) (body ADJ temperature) (breath\$3 ADJ rate) (heart ADJ rate) (blood oxygen)) SAME (detect\$3 determin\$4) SAME (first ADJ function) AND (second ADJ function)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 10:18 AM
L7	120824871	@ad<"20081104" @rtad<"20081104" @prad<"20081104"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK,	OR	ON	ON	2024/04/24 10:20 AM

L8	70	L6 AND L7	TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 10:21 AM
L9	1	L8 AND ((H04W84/18 OR H04W88/02).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 10:21 AM
L10	4	L8 AND ((G06F1/16 OR G06F1/1605 OR G06F1/266 OR G06F13/385 OR G06F13/4081 OR G06F16/182 OR G06F16/22 OR G06F8/61 OR G06F8/65 OR G06F8/71 OR G06F17/00 OR G06F8/00).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 10:21 AM
L11	189	("20020170961" "20030172028" "20030220105" "20040030601" "20040143505" "2004014355	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/04/24 11:01 AM

L12	56	<p>0 "20040170430 "2006009234 "20060085297 "20060133633 "20060144933 "20060145893 "20060159260 "20060165060 "20060172700 "20060194538 "20070129077 "20070167147 "20070178935 "20070184837 "20070197261 "20070243872 "20070250393 "20070260710 "20070265984 "20070285280 "2008040274 "20080140667 "20080140868 "20080146148 "20080167966 "20080200166 "20080227471 "20080306868 "20090023474 "20090058637 "2009013543 "20090153367 "20090169070 "20090213947 "20100067591 "20100265845 "20110314539 "20120214443 "20130156218 "6595929 "6769607 "6944981 "6957107 "7028897 "7133659 "7155199 "7503504 "7539241 "7624923 "7780081 "7822644 "7912629 "8023580 "8091780 "8249935 "8463238 "8532069 "8646060 "8965281 "RE39736").PN.</p>	<p>CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)</p> <p>(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)</p>	OR	ON	ON	2024/04/24 11:01 AM
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L13	58	H04W4/029 OR H04W4/50 OR H04W72/51 OR H04W12/068 OR H04W12/082 OR H04W12/12 OR H04W12/50 OR H04W28/20 OR H04W28/26 OR H04W36/14 OR H04W36/22 OR H04W36/38 OR H04W4/021 OR H04W4/024 OR H04W4/026 OR H04W4/027 OR H04W4/20 OR H04W48/02 OR H04W48/08 OR H04W52/0235 OR H04W52/028 OR H04W52/287 OR H04W72/02 OR H04W72/1215 OR H04W76/12 OR H04W80/00 OR H04W84/04 OR H04W84/042 OR H04W88/16 OR H04W92/02 OR H04W92/10 OR H04W92/12 OR H04W92/14 OR H04W12/03 OR H04W12/033 OR H04W12/04 OR H04W12/088 OR H04W12/30 OR H04W12/61 OR H04W12/64 OR H04W12/65 OR H04W12/77 OR H04W24/10 OR H04W36/1446 OR H04W4/90 OR H04W52/0229 OR H04W72/569 OR H04W76/27 OR H04W76/50).cpc.)	L11 AND ((G06Q20/20 OR G06Q20/322 OR G06Q20/327 OR G06Q20/3278 OR G06Q20/32 OR G06Q20/04 OR G06Q20/40 OR G06Q20/12 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2024/04/24 11:02 AM
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		G06Q20/341 OR G06Q20/363 OR G06Q20/425 OR G06Q10/087 OR G06Q20/102 OR G06Q20/3226 OR G06Q20/3227 OR G06Q20/26 OR G06Q20/349 OR G06Q30/02 OR G06Q20/3224 OR G06Q20/326 OR G06Q10/02 OR G06Q20/06 OR G06Q20/3223 OR G06Q20/325 OR G06Q20/3255 OR G06Q20/352 OR G06Q30/06 OR G06Q40/00 OR G06Q20/10 OR G06Q20/204 OR G06Q20/223 OR G06Q20/401 OR G06Q30/0613 OR G06Q10/047 OR G06Q20/02 OR G06Q20/105 OR G06Q20/208 OR G06Q20/29 OR G06Q20/305 OR G06Q20/321 OR G06Q20/3229 OR G06Q20/3274 OR G06Q20/3552 OR G06Q20/357 OR G06Q20/3572 OR G06Q20/3576 OR G06Q20/367 OR G06Q20/3674 OR G06Q20/382 OR G06Q20/3821 OR G06Q20/38215 OR G06Q20/3829 OR G06Q20/385 OR G06Q20/388 OR G06Q20/4012 OR G06Q20/4014 OR G06Q20/40145 OR G06Q20/4037 OR G06Q20/42 OR G06Q30/00 OR G06Q30/0603 OR G06Q30/0633 OR G06Q40/02 OR G06Q50/12 OR G06Q20/108 OR G06Q20/14 OR	MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
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L14	40	G06Q20/16 OR G06Q20/202 OR G06Q20/206 OR G06Q20/24 OR G06Q20/343 OR G06Q20/384).cpc.) L11 AND ((H04L63/08 OR H04L63/0853 OR H04L2209/805 OR H04L2463/082 OR H04L63/0272 OR H04L63/0861 OR H04L9/3234 OR H04L5/0096 OR H04L5/0098 OR H04L1/0015 OR H04L1/0025 OR H04L1/0028 OR H04L1/0039 OR H04L1/0618 OR H04L1/1887 OR H04L1/206 OR H04L12/4641 OR H04L2209/56 OR H04L2209/76 OR H04L2209/80 OR H04L2463/102 OR H04L25/0262 OR H04L27/0008 OR H04L27/2613 OR H04L27/2636 OR H04L27/2657 OR H04L27/2662 OR H04L27/2675 OR H04L27/2684 OR H04L5/0048 OR H04L5/0051 OR H04L5/1453 OR H04L63/04 OR H04L63/0428 OR H04L63/061 OR H04L63/0823 OR H04L63/083 OR H04L63/10 OR H04L63/107 OR H04L63/108 OR H04L63/18 OR H04L63/205 OR H04L67/04 OR H04L67/34 OR H04L67/52 OR H04L7/042 OR H04L9/0838 OR H04L9/0872 OR H04L9/3228 OR H04L9/3231 OR H04L9/3263 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 11:02 AM
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L15	20	H04L9/3268 OR H04L9/3271 OR H04L5/001 OR H04L5/0041 OR H04L67/131).cpc.) L11 AND ((H04M15/00 OR H04M2215/2026 OR H04M2215/32 OR H04M2250/02 OR H04M2250/06 OR H04M1/2535 OR H04M1/6066 OR H04M1/72412 OR H04M15/68 OR H04M17/00 OR H04M2215/0196 OR H04M2250/12 OR H04M1/0285 OR H04M1/605 OR H04M1/665 OR H04M1/72403 OR H04M1/72502 OR H04M1/733 OR H04M11/04 OR H04M17/026 OR H04M2250/14 OR H04M2250/22 OR H04M7/006 OR H04M1/72454 OR H04M1/7246).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 11:02 AM
L16	3	L11 AND ((H04B5/77 OR H04B5/72).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 11:03 AM
L17	1067	(enabl\$3 disabl\$3) WITH (authorization) SAME (financial NEAR transaction)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO,	OR	ON	ON	2024/04/24 02:06 PM

L18	172	(enabl\$3 disabl\$3) WITH (authorization) SAME (financial NEAR transaction) SAME wireless	RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 02:11 PM
L19	55	L7 AND L18	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 02:11 PM
L20	4142793	((physiological ADJ parameter) (blood ADJ pressure) (body ADJ temperature) (breath\$3 ADJ rate) (heart ADJ rate) (blood oxygen)) SAME (detect\$3 determin\$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 02:14 PM
L21	9	L18 AND 20	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2024/04/24 02:14 PM

L22	82	(enabl\$3 disabl\$3) WITH (authorization) SAME (financial NEAR transaction) AND (physiological ADJ parameter) (blood ADJ pressure) (body ADJ temperature) (breath\$3 ADJ rate) (heart ADJ rate) (blood oxygen))	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 02:25 PM
L23	43	("7721322" "7971062" "8127142" "8127982" "8205249" "8261089" "8346924" "8510797" "8510811" "8516542" "8572714" "8612357" "8756661" "8776204" "20030115142" "20040155101" "20070011066" "20070033136" "20070156611" "20070262136" "20090132808" "20090259838" "20100228996" "20110035788" "20110086612" "20110173017" "20110173448" "20110288996" "20110296513" "20110307949" "20120192260" "20120330788" "20130047202" "20130047213" "20130111549"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/04/24 02:32 PM

L24	141	"20130185205" "20130205133" "20130298242" "20130305322" "20140040975" "20140189809" "20140189840" "20140304795").pn. AND (PGPB USPT USOC).dbnm. ("5649116" "5708422" "5796832" "5914472" "5949044" "5991749" "5999596" "6026166" "6029151" "6058382" "6078806" "6102287" "6169890" "6227447" "6267292" "6311167" "6327348" "6366893" "6442563" "6456984" "6597770" "6764003" "6807410" "6868391" "6873974" "6941270" "6988657" "7003493" "7014107" "7014109" "7024174" "7031939" "7054835" "7089208" "7096003" "7099850" "7103576" "7107078" "7107250" "7120608" "7124937" "7131571" "7136836" "7139694" "7146342" "7152782" "7231372" "7239226" "7249113" "7254560" "7331518" "7346549" "7581020" "7593714" "7680778" "7873573" "7945240" "8121945" "8160959" "8249965" "8355720" "8510220" "8543496" "8611873" "8923827" "9483757" "20010037264" "20020004770" "20030022655" "20030055785" "20030074328" "20030112783" "20040030652" "20040098350" "20040107170" "20040143545" "20040185830" "20040192282" "20040192359" "20040205233"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/04/24 02:32 PM
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		"20060163349"					
		"20060230030"					
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		"20060235789"					
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		"20060278704"					
		"20060287004"					
		"20070001001"					
		"20070011099"					
		"20070094113"					
		"20070106558"					
		"20070130025"					
		"20070187491"					
		"20070192245"					
		"20070215696"					
		"20070226051"					
		"20070233615"					
		"20070244811"					
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L25	2	"20080242274" "20080255993" "20110191280").pn. AND (PGPB USPT USOC).dbnm. "11770756".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 03:34 PM
L26	27	L22 AND ((H04W4/80 OR H04W4/029 OR H04W4/023 OR H04W48/04 OR H04W76/10 OR H04W88/06 OR H04W12/06 OR H04W4/02 OR H04W12/02 OR H04W12/03 OR H04W12/04 OR H04W4/40 OR H04W4/44 OR H04W4/46 OR H04W12/08 OR H04W12/33 OR H04W12/64 OR H04W4/021 OR H04W4/33 OR H04W4/70 OR H04W12/033 OR H04W12/065 OR H04W12/069 OR H04W12/084 OR H04W12/106 OR H04W12/65 OR H04W88/02).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/24 07:00 PM
L27	39	L22 AND ((G06F21/32 OR G06F21/35 OR G06F21/6245 OR G06F21/31 OR G06F16/248 OR G06F16/951 OR G06F3/011 OR G06F21/6254 OR G06F21/83 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2024/04/24 07:00 PM

L28	53	<p>G06F18/28 OR G06F21/00 OR G06F21/30 OR G06F21/34 OR G06F21/40 OR G06F21/554 OR G06F21/606 OR G06F21/86 OR G06F2211/008 OR G06F2221/2111 OR G06F2221/2117 OR G06F21/6218 OR G06F21/6227 OR G06F21/64 OR G06F2221/2141).cpc.)</p> <p>L22 AND ((G06Q30/0601 OR G06Q20/40 OR G06Q20/32 OR G06Q20/401 OR G06Q20/405 OR G06Q20/105 OR G06Q20/18 OR G06Q20/3224 OR G06Q20/3278 OR G06Q20/4012 OR G06Q2220/00 OR G06Q10/20 OR G06Q20/108 OR G06Q20/12 OR G06Q20/14 OR G06Q20/308 OR G06Q30/012 OR G06Q30/0206 OR G06Q30/0208 OR G06Q30/0609 OR G06Q30/0613 OR G06Q30/0625 OR G06Q30/0635 OR G06Q30/0637 OR G06Q10/0832 OR G06Q20/10 OR G06Q20/34 OR G06Q20/3821 OR G06Q50/12 OR G06Q20/367 OR G06Q20/40145 OR G06Q20/02 OR G06Q20/341 OR G06Q20/4014 OR G06Q20/20 OR G06Q20/3227 OR G06Q20/3674 OR G06Q20/382 OR G06Q20/3829 OR G06Q20/385 OR G06Q20/42 OR</p>	<p>NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)</p> <p>(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)</p>	OR	ON	ON	2024/04/24 07:00 PM
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L29	17	G06Q30/02 OR G06Q40/00 OR G06Q20/102 OR G06Q20/204 OR G06Q20/322 OR G06Q20/327 OR G06Q20/4016 OR G06Q30/06 OR G06Q20/00 OR G06Q20/04 OR G06Q20/045 OR G06Q20/047 OR G06Q20/0855 OR G06Q20/145 OR G06Q20/223 OR G06Q20/3223 OR G06Q20/3226 OR G06Q20/325 OR G06Q20/3678 OR G06Q20/381 OR G06Q20/38215 OR G06Q20/3827 OR G06Q20/389 OR G06Q20/409 OR G06Q20/4097 OR G06Q30/0611 OR G06Q40/02 OR G06Q50/01 OR G06Q10/08 OR G06Q10/109 OR G06Q20/1085 OR G06Q20/209 OR G06Q20/227 OR G06Q20/306 OR G06Q20/321 OR G06Q20/3221 OR G06Q20/3576 OR G06Q20/36 OR G06Q20/363 OR G06Q20/3676 OR G06Q20/4018 OR G06Q20/4037 OR G06Q30/0207 OR G06Q30/0277 OR G06Q30/0641 OR G06Q40/04 OR G06Q40/12 OR G06Q40/125 OR G06Q50/04 OR G06Q50/184 OR G06Q50/22).cpc.)	L22 AND ((H04B5/79 OR H04B5/72 OR H04B2203/5445).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2024/04/24 07:01 PM
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L30	10	L6 AND ((H04W88/02 OR H04W12/06 OR H04W12/33 OR H04W4/00 OR H04W68/005 OR H04W84/18 OR H04W4/02 OR H04W4/023 OR H04W4/029 OR H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W88/06).cpc.)	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/25 10:37 AM
L31	242	(sens\$3 search\$3 scan\$4) WITH ((physiological ADJ parameter) (blood ADJ pressure) (body ADJ temperature) (breath\$3 ADJ rate) (heart ADJ rate) (blood oxygen)) SAME (detect\$4 determin\$4) SAME (first ADJ function) AND (second ADJ function)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/25 10:37 AM
L32	5	L31 AND ((H04W88/02 OR H04W12/06 OR H04W12/33 OR H04W4/00 OR H04W68/005 OR H04W84/18 OR H04W4/02 OR H04W4/023 OR H04W4/029 OR H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/25 10:38 AM
L33	14	L31 AND ((US-PGPUB; USPAT;	OR	ON	ON	2024/04/25

L34	5	(H04L63/0861 OR H04L12/40045 OR H04L69/329 OR H04L9/40 OR H04L12/10 OR H04L12/2816 OR H04L12/40039 OR H04L2012/2841 OR H04L2012/2849 OR H04L2012/40221 OR H04L2012/4026 OR H04L5/0033 OR H04L67/125 OR H04L67/52).cpc.)	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	10:38 AM 2024/04/25 10:38 AM
L35	14	L31 AND ((G06Q30/02 OR G06Q50/22 OR G06Q30/0601 OR G06Q50/10).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/25 10:39 AM
L36	7	L31 AND ((H04L63/0861 OR H04L12/40045 OR H04L69/329 OR H04L9/40 OR H04L12/10 OR H04L12/2816 OR H04L12/40039 OR H04L2012/2841 OR H04L2012/2849 OR H04L2012/40221 OR H04L2012/4026 OR H04L5/0033 OR H04L67/125 OR H04L67/52).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/25 10:40 AM

L37	5	L31 AND ((H04W88/02 OR H04W12/06 OR H04W12/33 OR H04W4/00 OR H04W68/005 OR H04W84/18 OR H04W4/02 OR H04W4/023 OR H04W4/029 OR H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W88/06).cpc.)	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/25 10:41 AM
L38	198	("20020170961" "20030172028" "20030220105" "20040030601" "20040143505" "20040143550" "20040170430" "2006009234" "20060085297" "20060133633" "20060144933" "20060145893" "20060159260" "20060165060" "20060172700" "20060194538" "20070129077" "20070167147" "20070178935" "20070184837" "20070197261" "20070243872" "20070250393" "20070260710" "20070265984" "20070285280" "2008040274" "20080140667" "20080140868" "20080146148" "20080167966" "20080200166" "20080227471" "20080306868" "20090023474" "20090058637" "20090113543" "20090153367" "20090169070" "20090213947" "20100067591" "20100265845" "20110314539" "20120214443" "20130156218" "6595929" "6769607" "6944981" "6957107" "7028897" "7133659" "7155199" "7503504" "7539241" "7624923" "7780081" "7822644" "7912629" "8023580" "8091780" "82	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/21 12:43 PM

L39	152	49935" "8463238" "8532069" "8646060" "8965281" "RE39736" "20090177068" "7886968").PN . ("20020170961" "20030172028" "20030220105" "20040030601" "20040143505" "20040143500" "20040170430" "2006009234" "20060085297" "20060133633" "20060144933" "20060145893" "20060159260" "20060165060" "20060172700" "20060194538" "20070129077" "20070167147" "20070178935" "20070184837" "20070197261" "20070243872" "20070250393" "20070260710" "20070265984" "20070285280" "2008040274" "20080140667" "20080140868" "20080146148" "20080167966" "20080200166" "20080227471" "20080306868" "20090023474" "20090058637" "20090113543" "20090153367" "20090169070" "20090213947" "20100067591" "20100265845" "20110314539" "20120214443" "20130156218" "6595929" "6769607" "6944981" "6957107" "7028897" "7133659" "7155199" "7503504" "7539241" "7624923" "7780081" "7822644" "7912629" "8023580" "8091780" "8249935" "8463238" "8532069" "8646060" "8965281" "RE39736" "20090177068" "7886968").PN .	(US-PGPUB; USPAT; DERWENT)	OR	ON	ON	2025/02/21 12:43 PM
L40	6	49935" "8463238" "8532069" "8646060" "8965281" "RE39736" "20090177068" "7886968").PN . ("20020170961" "20030172028" "20030220105" "20040030601" "20040143505" "20040143500" "20040170430" "2006009234" "20060085297" "20060133633" "20060144933" "20060145893" "20060159260" "20060165060" "20060172700" "20060194538" "20070129077" "20070167147" "20070178935" "20070184837" "20070197261" "20070243872" "20070250393" "20070260710" "20070265984" "20070285280" "2008040274" "20080140667" "20080140868" "20080146148" "20080167966" "20080200166" "20080227471" "20080306868" "20090023474" "20090058637" "20090113543" "20090153367" "20090169070" "20090213947" "20100067591" "20100265845" "20110314539" "20120214443" "20130156218" "6595929" "6769607" "6944981" "6957107" "7028897" "7133659" "7155199" "7503504" "7539241" "7624923" "7780081" "7822644" "7912629" "8023580" "8091780" "8249935" "8463238" "8532069" "8646060" "8965281" "RE39736" "20090177068" "7886968").PN .	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO,	OR	ON	ON	2025/02/21 12:48 PM

L41	308	0060165060 "20060172700 "20060194538 "20070129077 "20070167147 "20070178935 "20070184837 "20070197261 "20070243872 "20070250393 "20070260710 "20070265984 "20070285280 "20080040274 "20080140667 "20080140868 "20080146148 "20080167966 "20080200166 "20080227471 "20080306868 "20090023474 "20090058637 "20090113543 "20090153367 "20090169070 "20090213947 "20100067591 "20100265845 "20110314539 "20120214443 "20130156218 "6595929 "6769607 "6944981 "6957107 "7028897 "7133659 "7155199 "7503504 "7539241 "7624923 "7780081 "7822644 "7912629 "8023580 "8091780 "8249935 "8463238 "8532069 "8646060 "8965281 "RE39736 "20090177068 "7886968").PN . AND sensor\$3 SAME turn\$4 NEAR (on OR off)	MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/21 12:50 PM
L42	63	(turn\$4 NEAR (off OR on)) SAME sensor\$3 near5 (position\$4 OR location\$4) NEAR (heart OR blood OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/21 12:52 PM

L43	1713	respir\$9) (turn\$4 NEAR (off on)) SAME (sensor\$3 near8 (position\$4 location\$4)) SAME (heart blood respir\$9)	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 10:23 AM
L44	0	(sens\$3 search\$3 scan\$4) NEAR (on off) SAME ((physiological ADJ parameter) (blood ADJ pressure) (body ADJ temperature) (breath\$3 ADJ rate) (heart ADJ rate) (blood oxygen)) SAME (detect\$4 determin\$4) SAME (first ADJ function) AND (second ADJ function)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 10:24 AM
L45	92713	(sens\$3 search\$3 scan\$4 turn\$3) NEAR (on off) SAME ((physiological ADJ parameter) (blood ADJ pressure) (body ADJ temperature) (breath\$3 ADJ rate) (heart ADJ rate) (blood oxygen))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	OR	ON	ON	2025/02/28 10:25 AM

L46	24596	(sens\$3 search\$3 scan\$4 turn\$3) NEAR (on off) SAME ((physiological ADJ parameter) (blood ADJ pressure) (body ADJ temperature) (breath\$3 ADJ rate) (heart ADJ rate) (blood oxygen) heart blood respir\$9) SAME (location\$4 position\$4)	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 10:26 AM
L47	605	(sens\$3 search\$3 scan\$4 turn\$3) NEAR (on off) SAME (check\$4 WITH ((physiological ADJ parameter) (blood ADJ pressure) (body ADJ temperature) (breath\$3 ADJ rate) (heart ADJ rate) (blood oxygen) heart blood respir\$9)) SAME (location\$4 position\$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 10:27 AM
L48	127241258	@ad<"20081104" @rlad<"20081104" @prad<"20081104"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 10:28 AM
L49	212	L47 AND L48	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2025/02/28 10:28 AM

L50	27682	(enabl\$4 disabl\$4 turn\$4) SAME (ON OFF) SAME ((first second) NEAR function)	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 11:44 AM
L51	21	(enabl\$4 disabl\$4 turn\$4) SAME (ON OFF) SAME ((first second) NEAR function) SAME (physiological NEAR parameter)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 11:45 AM
L52	138	(enabl\$4 disabl\$4 turn\$4) SAME (ON OFF) SAME ((first second) NEAR function) AND (physiological NEAR parameter)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 11:45 AM

L53	52	L48 AND L52	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 11:45 AM
L54	4	"20100025238".pn.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 12:09 PM
L55	5	L52 AND ((H04W12/06 OR H04W12/50 OR H04W52/02 OR H04W52/0212 OR H04W12/037 OR H04W4/02 OR H04W4/80 OR H04W76/10 OR H04W76/14 OR H04W76/30).cpc.)	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 12:39 PM
L56	45	L52 AND ((G06F17/40 OR G06F1/163 OR G06F3/0481 OR G06F3/04842 OR G06F3/0488 OR G06F3/165 OR G06F3/0482 OR	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2025/02/28 12:39 PM

L57	1	G06F3/04847 OR G06F3/04883 OR G06F21/32 OR G06F1/3296 OR G06F18/24 OR G06F18/25 OR G06F21/35 OR G06F1/04 OR G06F1/3203 OR G06F1/3206 OR G06F1/3212 OR G06F1/324 OR G06F1/3243 OR G06F1/3287 OR G06F1/3293 OR G06F17/00 OR G06F3/04817 OR G06F3/0486 OR G06F3/14 OR G06F3/1423 OR G06F3/162 OR G06F8/00 OR G06F8/60 OR G06F9/451).cpc.) L52 AND ((H04M1/6066 OR H04M1/72412 OR H04M1/72442 OR H04M1/72448 OR H04M1/72451 OR H04M1/72454 OR H04M1/72457).cpc.)	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 12:40 PM
L58	1	L52 AND ((H04B13/005 OR H04B5/72).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 12:40 PM
L59	13	L31 AND ((H04W88/02	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28

L60	4	OR H04W12/06 OR H04W12/33 OR H04W4/00 OR H04W68/005 OR H04W84/18 OR H04W4/02 OR H04W4/023 OR H04W4/029 OR H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W88/06).cpc.)	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	12:41 PM 2025/02/28 12:41 PM
L61	6	("20090174578" "20130138357" "20140135612" "20160029899").pn. AND (PGPB USPT USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2025/02/28 02:04 PM
L62	16	L47 AND ((H04W24/00 OR H04W4/16 OR H04W84/14 OR H04W24/04 OR H04W4/70 OR H04W48/18 OR H04W64/00 OR H04W76/15 OR H04W84/18 OR H04W88/16).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 02:05 PM
L63	5	L31 AND (H04L63/0861 OR H04L12/40045 OR H04L69/329 OR H04L67/52 OR H04L9/40 OR H04L12/10 OR H04L12/2816 OR H04L12/40039 OR H04L2012/2841 OR H04L2012/2849 OR H04L2012/40221 OR H04L2012/4026 OR H04L5/0033 OR H04L65/1069 OR H04L67/02 OR H04L67/125).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 02:06 PM

L64	45	H04W52/02 OR H04W52/0212 OR H04W12/037 OR H04W4/02 OR H04W4/80 OR H04W76/10 OR H04W76/14 OR H04W76/30 OR H04L63/08 OR H04L9/3236).cpc.)	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 02:07 PM
L65	2	L52 AND ((G06F17/40 OR G06F1/163 OR G06F3/0481 OR G06F3/04842 OR G06F3/0488 OR G06F3/165 OR G06F3/0482 OR G06F3/04847 OR G06F3/04883 OR G06F21/32 OR G06F1/3296 OR G06F18/24 OR G06F18/25 OR G06F21/35 OR G06F1/04 OR G06F1/3203 OR G06F1/3206 OR G06F1/3212 OR G06F1/324 OR G06F1/3243 OR G06F1/3287 OR G06F1/3293 OR G06F17/00 OR G06F3/04817 OR G06F3/0486 OR G06F3/14 OR G06F3/1423 OR G06F3/162 OR G06F8/00 OR G06F8/60 OR G06F9/451).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 02:07 PM

L66	45	L52 AND ((G06F17/40 OR G06F1/163 OR G06F3/0481 OR G06F3/04842 OR G06F3/0488 OR G06F3/165 OR G06F3/0482 OR G06F3/04847 OR G06F3/04883 OR G06F21/32 OR G06F1/3296 OR G06F18/24 OR G06F18/25 OR G06F21/35 OR G06F1/04 OR G06F1/3203 OR G06F1/3206 OR G06F1/3212 OR G06F1/324 OR G06F1/3243 OR G06F1/3287 OR G06F1/3293 OR G06F17/00 OR G06F3/04817 OR G06F3/0486 OR G06F3/14 OR G06F3/1423 OR G06F3/162 OR G06F8/00 OR G06F8/60 OR G06F9/451).cpc.)	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 02:07 PM
L67	2	L52 AND ((H03L1/02 OR H03L1/021 OR H03L1/022 OR H03L1/026 OR H04B13/005 OR H04B5/72).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/02/28 02:08 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.