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|-----------------------------------|---------------------------------------|--|-------------|
| <b>Notice of References Cited</b> | Application/Control No.<br>15/444,054 | Applicant(s)/Patent Under<br>Reexamination<br>Pavetic et al. |             |
|                                   | Examiner<br>GREGORY M DESIRE          | Art Unit<br>2664   | Page 1 of 1 |

**U.S. PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name                     | CPC Classification | US Classification |
|---|---|--|-----------------|--------------------------|--------------------|-------------------|
| * | A | US-20090208118-A1                                | 08-2009         | Csurka; Gabriela         | G06K9/00664        | 382/228           |
| * | B | US-20180121732-A1                                | 05-2018         | KIM; Ji-man              | G06N3/0454         | 1/1               |
| * | C | US-20180121762-A1                                | 05-2018         | Han; Wei                 | G06K9/4604         | 1/1               |
| * | D | US-20180260668-A1                                | 09-2018         | Shen; Xiaohui            | G06N3/084          | 1/1               |
| * | E | US-10204274-B2                                   | 02-2019         | Smith, IV; Bartlett Wade | G06F17/28          | 1/1               |
| * | F | US-10230866-B1                                   | 03-2019         | Townsend; Matthew Alan   | H04N1/2108         | 1/1               |
|   | G |  |                 |                          |                    |                   |
|   | H |  |                 |                          |                    |                   |
|   | I |  |                 |                          |                    |                   |
|   | J |  |                 |                          |                    |                   |
|   | K |  |                 |                          |                    |                   |
|   | L |  |                 |                          |                    |                   |
|   | M |  |                 |                          |                    |                   |

**FOREIGN PATENT DOCUMENTS**

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|   | R |  |                 |         |      |                    |
|   | S |  |                 |         |      |                    |
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**NON-PATENT DOCUMENTS**




| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
|---|---|---|
|   | U |   |
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\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

## 15/444,054 | 25832.1567 (L1506):

### USING MACHINE LEARNING TO DETECT WHICH PART OF THE SCREEN INCLUDES EMBEDDED FRAMES OF AN UPLOADED VIDEO

[PUBLIC VIEW](#)










|   |   |  |   |
|---|---|--|---|
| <b>Application #</b><br>15/444,054          | <b>Confirmation #</b><br>1835             | <b>Attorney Docket #</b><br>25832.1567 (L1506) | <b>Patent #</b><br><a href="#">10,586,111</a> <br><a href="#">Download PDF</a>  <a href="#">Text</a> <br>Issued - 03/10/2020 |
| <b>Filing or 371 (c) date</b><br>02/27/2017 | <b>Status</b><br>Patented Case 02/19/2020 |  |   |


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## Documents & transaction history

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| Mail room date   | Doc code   | Doc description   | Pages   | Quick download | File size (KB) | <input type="checkbox"/>  |
|--|--|---|---|----------------|----------------|--|
| 02/19/2020   | ISSUE.NTF  | Issue Notification  | 1   |                | 60             |  |
| 01/29/2020   | IFEE   | Issue Fee Payment (PTO-85B)   | 2   |                | 120            |  |
| 01/29/2020   | WFEE   | Fee Worksheet (SB06)  | 2   |                | 120            |  |
| 01/29/2020   | N417   | Electronic Filing System Acknowledgment Receipt   | 2   |                | 120            |  |
| 10/30/2019   | NOA  | Notice of Allowance and Fees Due (PTOL-85)  | 8   |                | 480 / 13 / 19  |  |
| 10/30/2019   | 892  | List of references cited by examiner  | 1   |                | 60             |  |
| 10/30/2019   | IIFW   | Issue Information including classification, examiner, name, claim, renumbering, etc.  | 3   |                | 180            |  |
| 10/30/2019   | SRFW   | Search information including classification, databases and other search related notes   | 2   |                | 120            |  |
| 10/30/2019   | SRNT   | Examiner's search strategy and results  | 1   |                | 60             |  |
| 10/30/2019   | SRNT   | Examiner's search strategy and results  | 1   |                | 60             |  |

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| 10/30/2019                                      | SRNT                                      | Examiner's search strategy and results  | 1                                      |  |                | 60             |   |
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| 10/30/2019                                      | BIB                                       | Bibliographic Data Sheet  | 1                                      |  |                | 60             |   |
| 10/07/2019                                      | RCEX                                      | Request for Continued Examination (RCE)   | 3                                      |  |                | 180            |   |
| 10/07/2019                                      | AMSB                                      | Amendment Submitted/Entered with Filing of Continued Prosecution Application (CPA)/Request for Continued Examination(RCE) | 1                                      |  |                | 60             |   |
| 10/07/2019                                      | CLM                                       | Claims  | 5                                      |  |                | 300 / 16       |   |
| 10/07/2019                                      | REM                                       | Applicant Arguments/Remarks Made in an Amendment  | 7                                      |  |                | 420 / 24       |   |
| 10/07/2019                                      | WFEE                                      | Fee Worksheet (SB06)  | 2                                      |  |                | 120            |   |
| 10/07/2019                                      | N417                                      | Electronic Filing System Acknowledgment Receipt   | 3                                      |  |                | 180            |   |
| 10/07/2019                                      | WFEE                                      | Fee Worksheet (SB06)  | 1                                      |  |                | 60             |   |
| 07/05/2019                                      | CTFR                                      | Final Rejection   | 10                                     |  |                | 600 / 32 / 21  |   |
| 07/05/2019                                      | 892                                       | List of references cited by examiner  | 1                                      |  |                | 60             |   |
| 07/05/2019                                      | SRFW                                      | Search information including classification, databases and other search related notes                                     | 1                                      |  |                | 60             |   |
| 07/05/2019                                      | FWCLM                                     | Index of Claims   | 1                                      |  |                | 60             |   |
| 07/05/2019                                      | 1449                                      | List of References cited by applicant and considered by examiner  | 4                                      |  |                | 240            |   |
| 07/05/2019                                      | SRNT                                      | Examiner's search strategy and results  | 1                                      |  |                | 60             |   |
| 05/15/2019                                      | INTV.SUM.APP                              | Applicant Initiated Interview Summary (PTOL-413)  | 3                                      |  |                | 180            |   |
| 03/29/2019                                      | WFEE                                      | Fee Worksheet (SB06)  | 1                                      |  |                | 60             |   |
| 03/29/2019                                      | A...                                      | Amendment/Request for Reconsideration-After Non-Final Rejection   | 1                                      |  |                | 60             |   |
| 03/29/2019                                      | TRAN.LET                                  | Transmittal Letter  | 4                                      |  |                | 240            |   |

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| 03/29/2019               | IDS         | Information Disclosure Statement (IDS) Form (SB08)                                    | 4        |  |                   | 240 / 19             |   |
| 03/29/2019               | NPL         | Non Patent Literature   | 65       |  |                   | 3900                 |   |
| 03/29/2019               | NPL         | Non Patent Literature   | 6        |  |                   | 360                  |   |
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| 03/29/2019               | CLM         | Claims  | 4        |  |                   | 240 / 15             |   |
| 02/20/2019               | M865E       | Electronic Request for Interview with Examiner  | 1        |  |                   | 60                   |   |
| 12/31/2018               | CTNF        | Non-Final Rejection   | 8        |  |                   | 480 / 29 / 22        |   |
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| 12/31/2018               | SRFW        | Search information including classification, databases and other search related notes | 1        |  |                   | 60                   |   |
| 12/31/2018               | FWCLM       | Index of Claims   | 1        |  |                   | 60                   |   |
| 12/31/2018               | SRNT        | Examiner's search strategy and results  | 3        |  |                   | 180                  |   |
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| 12/31/2018               | SRNT        | Examiner's search strategy and results  | 2        |  |                   | 120                  |   |
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| 07/19/2018               | NTC.PUB     | Notice of Publication   | 1        |  |                   | 60                   |   |
| 05/07/2018               | IDS         | Information Disclosure Statement (IDS) Form (SB08)                                    | 4        |  |                   | 240 / 24             |   |
| 05/07/2018               | REF.OTHER   | Other reference- Patent/Application/Search Documents                                  | 5        |  |                   | 300                  |   |
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| 05/07/2018               | NPL         | Non Patent Literature   | 4        |  |                   | 240                  |   |

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| 05/07/2018                                      | NPL                                       | Non Patent Literature                                      | 30                                     |                | 1800           |                |
| 05/07/2018                                      | NPL                                       | Non Patent Literature                                      | 9                                      |                | 540            |                |
| 05/07/2018                                      | NPL                                       | Non Patent Literature                                      | 6                                      |                | 360            |                |
| 05/07/2018                                      | NPL                                       | Non Patent Literature                                      | 8                                      |                | 480            |                |
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| 10/24/2017                                      | M327                                      | Miscellaneous Communication to Applicant - No Action Count | 1                                      |                | 60             |                |
| 10/20/2017                                      | RESC                                      | Rescind Nonpublication Request for Pre Grant Publication   | 2                                      |                | 120            |                |
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| 03/07/2017                                      | APP.FILE.REC                              | Filing Receipt   | 3                                      |                | 180            |                |
| 03/07/2017                                      | WFEE                                      | Fee Worksheet (SB06)                                       | 1                                      |                | 60             |                |
| 02/27/2017                                      | PA..                                      | Power of Attorney  | 2                                      |                | 120            |                |
| 02/27/2017                                      | R3.73                                     | Assignee showing of ownership per 37 CFR 3.73              | 3                                      |                | 180            |                |
| 02/27/2017                                      | TRAN.LET                                  | Transmittal Letter   | 2                                      |                | 120            |                |
| 02/27/2017                                      | IDS                                       | Information Disclosure Statement (IDS) Form (SB08)         | 4                                      |                | 240 / 20       |                |
| 02/27/2017                                      | NPL                                       | Non Patent Literature                                      | 7                                      |                | 420            |                |
| 02/27/2017                                      | NPL                                       | Non Patent Literature                                      | 8                                      |                | 480            |                |
| 02/27/2017                                      | NPL                                       | Non Patent Literature                                      | 9                                      |                | 540            |                |
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| 02/27/2017                                      | ADS                                       | Application Data Sheet                                     | 9                                      |                | 540            |                |
| 02/27/2017                                      | ABST                                      | Abstract   | 1                                      |                | 60 / 2         |                |
| 02/27/2017                                      | CLM                                       | Claims   | 5                                      |                | 300 / 16       |                |
| 02/27/2017                                      | SPEC                                      | Specification  | 26                                     |                | 1560 / 69      |                |
| 02/27/2017                                      | DRW                                       | Drawings-only black and white line drawings                | 9                                      |                | 540            |                |
| 02/27/2017                                      | OATH                                      | Oath or Declaration filed                                  | 2                                      |                | 120            |                |

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