PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5044936

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| KHURRAM HASSAN-SHAFIQUE | 09/12/2008 |
| PETER L. VENETIANER | 09/12/2008 |
| LI YU | 09/12/2008 |
| HAIYING LIU | 09/12/2008 |

RECEIVING PARTY DATA

| Name: | OBJECTVIDEO, INC. | |
|-------------------|----------------------------|--|
| Street Address: | 11600 SUNRISE VALLEY DRIVE | |
| Internal Address: | SUITE 290 | |
| City: | RESTON | |
| State/Country: | VIRGINIA | |
| Postal Code: | 20191 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15716216 |

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: hgalloway@mh2law.com

Correspondent Name: MH2 TECHNOLOGY LAW GROUP LLP

Address Line 1: 1951 KIDWELL DRIVE

Address Line 2: SUITE 310

Address Line 4: TYSONS CORNER, VIRGINIA 22182

| ATTORNEY DOCKET NUMBER: | 0202.0015-CON4 | |
|-------------------------|------------------------|--|
| NAME OF SUBMITTER: | HASTINGS E. GALLOWAY | |
| SIGNATURE: | /Hastings E. Galloway/ | |
| DATE SIGNED: | 07/11/2018 | |

Total Attachments: 3

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PATENT REEL: 046317 FRAME: 0907

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PATENT REEL: 046317 FRAME: 0908

WORLDWIDE ASSIGNMENT

WHEREAS, Khurram HASSAN-SHAFIQUE, of 20452 Scioto Terrace, Ashburn, VA 20147; Péter L. VENETIANER, residing at 6623 Ivy Hill Dr., McLean, VA 22101; Li YU, residing at 136 Laurel Way, Apt. #3B, Herndon, VA 20170; Haiying LIU, residing at 13893 Lawrence Park Ct., Chantilly, VA 20151 (hereinafter referred to as Assignor), have invented a certain improvement relating to STATIONARY TARGET DETECTION BY EXPLOITING CHANGES IN BACKGROUND MODEL, which said Assignor has caused an application for United States Letters Patent to be prepared:

- [] the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office.
- [X] said application having been filed in the United States Patent and Trademark Office on September 4, 2008, and given application number 12/204,562.

WHEREAS, ObjectVideo, Inc., a corporation organized under and pursuant to the laws of Delaware, and having its principal place of business at 11600 Sunrise Valley Dr., Ste. 290, Reston, Virginia 20191 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

#980687

VENABLE LLP All practitioners at Customer Number 26694

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

| EXECUTED this 12 day of September, 2008. | |
|--|--|
| ASSIGNOR: | WITNESS: |
| Signature: Name: Khurram HASSAN-SHAFIQUE | Signature: VENETIANER Name: PETER VENETIANER Address: 6623 vy 4:11 Pr McLegn VA 22101 |
| | WITNESS: |
| | Signature: Pork box Cup na |
| | Address: 11/00 SUNTSEVALLY IN |
| EXECUTED this 12 day of September, 2008. | |
| ASSIGNOR: | WITNESS: |
| Signature: V P P P P P P P P P P P P P P P P P P | Signature: LAURRAM HASSAN-SHAPIQUE Address: 20452 SCIOTO TERRACE ASHOURN, UK - 20147 |
| | WITNESS: Signature: |
| | Name: Knows Capung Address: 11600 Sunior Valley Or Botton VA DAI |

| EXECUTED this 12 day of 9, 200 | 98. |
|--|--|
| ASSIGNOR: | WITNESS: |
| Signature: Name: Li YU | Signature: Name: Address: WITNESS: Signature: Name: Address: Wigo Sumuse Vally of Control of Co |
| EXECUTED this $\frac{2}{2}$ day of $\frac{9}{2}$, 200 | 08. |
| ASSIGNOR: | WITNESS: |
| Signature: Standard Name: Haiying LIU | Signature: Name: LI YU Address: 136 Laurel WG Arr34 Herndon VA 20176 |
| | WITNESS: |
| | Signature: Name: Address: Address |

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