06/13/2017 504409947

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4456646

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HUI TIAN	05/20/2010
EDWARD HARTLEY SARGENT	05/21/2010

RECEIVING PARTY DATA

Name:	INVISAGE TECHNOLOGIES, INC.	
Street Address:	7979 GATEWAY BOULEVARD, SUITE 240	
City:	NEWARK	
State/Country:	CALIFORNIA	
Postal Code:	94560	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13217125

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ATTORNEY DOCKET NUMBER:	3154.007U13	
NAME OF SUBMITTER:	CHRISTY KRANIG	
SIGNATURE:	/Christy Kranig/	
DATE SIGNED:	06/13/2017	

Total Attachments: 5

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PATENT REEL: 042688 FRAME: 0470 504409947

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 3154.007U13 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Hui Tian, Edward Hartley Sargent Name: InVisage Technologies, Inc. Additional name(s) of conveying party(ies) attached? Street Address: 7979 Gateway Boulevard, Suite 240 []Yes [X]No City: Newark State: CA Zip: 94560 3. Nature of conveyance: Country: United States of America [X] Assignment Merger Additional name(s) & address(es) attached? []Yes [X]No [] Security Agreement [] Change of Name [] Other Execution Date: May 20, 2010, May 21, 2010 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 13/217,125 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Bradley W. Scheer [[Enclosed [Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over Minneapolis, MN 55402--0938 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Bradley W. Scheer/Reg. No. 47,059 /June 13, 2017 Name of Person Signing Signature Total number of pages including cover sheet: 5

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450 Alexandria, VA 22313-1450

Attorney Docket No. 3154.007US1

ASSIGNMENT

WHEREAS, We, Hui Tian, residing at 10231 Western Drive, Cupertino, CA 95014, and Edward Hartley Sargent, residing at 1 Warren Road, Toronto, Ontario M4V 2R4, Canada, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent on April 18, 2008, which application was assigned U.S. patent application serial number 12/106,256, and is entitled MATERIALS, SYSTEMS AND METHODS FOR OPTOFLECTRONIC DEVICES;

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to InVisage Technologies. Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 978 Hamilton Court, Menlo Park. CA 94025, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

Additional Application Information

- U.S. Provisional Application Serial No. 60/912,581, filed on April 18, 2007.
- U.S. Provisional Application Serial No. 60/958,846, filed on July 9, 2007.
- U.S. Provisional Application Serial No. 60/970,211, filed on September 5, 2007.
- U.S. Provisional Application Serial No. 61/026,440, filed on February 5, 2008.
- U.S. Provisional Application Serial No. 61/026,650, filed on February 6, 2008.

PATENT REEL: 048688 FRAME: 04728 Assignment

Assignors: Hui Tian et al.

Title: MATERIALS, SYSTEMS AND METHODS FOR OPTOELECTRONIC DEVICES

Page 2 of 4

Docket No: 3154,007US1

Serial Number: 12/106.256

U.S. Provisional Application Serial No. 61/028,481, filed on February 13, 2008.

U.S. Provisional Application Serial No. 61/046,379, filed on April 18, 2008.

No International or foreign claim for priority is being made at this time.

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

PATENT REEL: 042688 FRAME: 0473

Assignors: Hui Tum et al.
Thig: MATERIALS, SYSTEMS AND METHODS FOR OPTOBLECTRONIC DEVICES

Page 3 of 4

Docket No. 3154.007US1 Serial Number: 12/106,256

Inventor: 1:

Date: 05/20/20/0

Full Name (Please Print)

Signature / Date

PATENT REEL: 048688 FRAME: 04240 Assignment Desert No. 1121 OFFUNA Assignment HealTern of al. Assignment HealTern of al. Assignment HealTern of al. Assignment Desert No. 1121 OFFUNA Assignment Serial Samples. L'1108,279 Fried Lot A.

Inventors I:

(Signatore): Name: Edward Hardley Satistan

Data: May 2012

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PATENT REEL: 048688 FRAME: 0485