503534518 10/22/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3581145

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
IGOR CONSTANTIN IVANOV	06/02/2011
EDWARD HARTLEY SARGENT	06/08/2011
HUI TIAN	06/02/2011

RECEIVING PARTY DATA

Name:	INVISAGE TECHNOLOGIES, INC.
Street Address:	990 HAMILTON AVE
City:	MENLO PARK
State/Country:	CALIFORNIA
Postal Code:	94025

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14336783

CORRESPONDENCE DATA

Fax Number: (612)339-3061

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: request@slwip.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	3154.019US3	
NAME OF SUBMITTER:	ALLISON JOHNSON	
SIGNATURE:	/Allison Johnson/	
DATE SIGNED:	10/22/2015	

Total Attachments: 9

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RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 3154.019US3 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: InVisage Technologies, Inc. Igor Constantin Ivanov, Edward Hartley Sargent, Hui Street Address: 990 Hamilton Ave Tian Additional name(s) of conveying party(ies) attached? City: Menlo Park State: CA Zip: 94025 Country: United States of America []Yes [X]No Additional name(s) & address(es) attached? []Yes [X]No 3. Nature of conveyance: [] Merger [X] Assignment [] Security Agreement [] Change of Name [] Other Execution Date: June 2, 2011, June 8, 2011, June 2, 2011 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. 14/336783 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 Address: 19-0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743 Minneapolis, MN 55402--0938 DO NOT USE THIS SPACE 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 10/22/2015 Name of Person Signing Signature Date Total number of pages including cover sheet: 9

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

ASSIGNMENT

WHEREAS, We, <u>Igor Constantin Ivanov</u>, residing at 420 Live Oak Dr, Danville, CA 94506, and <u>Edward Hartley Sargent</u>, residing at 1 Warren Road, Toronto, Ontario M4V 2R4, Canada, and <u>Hui Tian</u>, residing at 10231 Western Drive, Cupertino, CA 95014, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent on July 20, 2009, which application was assigned U.S. patent application serial number 12/506,233, and is entitled <u>Materials</u>, <u>Fabrication Equipment</u>, and <u>Methods for Stable</u>, <u>Sensitive Photodetectors and Image Sensors Made Therefrom</u>;

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. <u>21186</u> 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.

ASSIGNMENT Docket No: 3154.019US1
Assignors: Igor Constantin Ivanov et al.

Serial Number: 12/506,233

Title: Materials, Fabrication Equipment, and Methods for Stable, Sensitive Photodetectors and Image Sensors Made Therefrom Page 2 of 4

- 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.
- U.S. Provisional Application Serial No. 61/082,473, filed on July 21, 2008.
- U.S. Provisional Application Serial No. 61/154,751, filed on February 23, 2009.
- U.S. Non-Provisional Application Serial No. 12/106,256, 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:

ASSIGNMENT
Assignors: Igor Constantin Ivanov et al.
Title: Materials, Fabrication Equipment, and Methods for Stable, Sensitive Photodetectors and Image Sensors Made Therefrom Page 3 of 4

Inventor: 1:

(Signature):
Name: Igor Constantin Ivanov

Signature/Date

Full Name (Printed)

Inventor: 2:

(Signature):

Name: Edward Hartley Sargent

Date:

Date:

Witness:

June 8 [1]

Signature/Date

Full Name (Printed)

Date:_

ASSIGNMENT
Assignors: Igor Constantin Ivanov et al.
Title: Materials, Fabrication Equipment, and Methods for Stable, Sensitive Photodetectors and Image Sensors Made Therefrom Page 4 of 4

Inventor: 3:

(Signature):

Name: Hui Tian

Signature/Date

Full Name (Printed)

Witness:

ASSIGNMENT

WHEREAS, We, <u>Igor Constantin Ivanov</u>, residing at 420 Live Oak Dr, Danville, CA 94506, and <u>Edward Hartley Sargent</u>, residing at 1 Warren Road, Toronto, Ontario M4V 2R4, Canada, and <u>Hui Tian</u>, residing at 10231 Western Drive, Cupertino, CA 95014, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent on July 20, 2009, which application was assigned U.S. patent application serial number 12/506,233, and is entitled <u>Materials</u>, <u>Fabrication Equipment</u>, and <u>Methods for Stable</u>, <u>Sensitive Photodetectors and Image Sensors Made Therefrom</u>;

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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

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ASSIGNMENT Docket No: 3154.019US1
Assignors: Igor Constantin Ivanov et al. Serial Number: 12/506,233
Title: Materials, Fabrication Equipment, and Methods for Stable, Sensitive Photodetectors and Image Sensors Made Therefrom

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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:

ASSIGNMENT Assignors: Igor Constantin Ivanov et al. Title: Materials, Fabrication Equipment, and Methods for Stable, Sensitive Photodetectors and Image Page 3 of 4	Docket No: 3154.019US1 Serial Number: 12/506,233 Sensors Made Therefrom
Inventor: 1: (Signature): Name: Igor Constantin Ivanov Date: Date: 2/2011	
Witness: 6/2/11 Signature/Date	
Tkuko Maldox Full Name (Printed)	
Inventor: 2: (Signature):	
Name: Edward Hartley Sargent Date: Witness:	
Signature/Date	

Full Name (Printed)

ASSIGNMENT

Docket No: 3154.019US1 Serial Number: 12/506,233

Assignors: Igor Constantin Ivanov et al.

Title: Materials, Fabrication Equipment, and Methods for Stable, Sensitive Photodetectors and Image Sensors Made Therefrom Page 4 of 4

Inventor: 3:

Witness:

Signature/Date

RECORDED: 10/22/2015