PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6036397

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| SHRINATH RAMASWAMI | 09/25/2018 |
| TATSUYA INUI | 09/20/2018 |
| SHIGEMI YAMAZAKI | 09/20/2018 |
| JONATHAN YU | 09/25/2018 |
| GLENN KELLER | 09/25/2018 |

RECEIVING PARTY DATA

| Name: | FOVEON, INC. |
|-----------------|------------------|
| Street Address: | 2249 ZANKER ROAD |
| City: | SAN JOSE |
| State/Country: | CALIFORNIA |
| Postal Code: | 95131 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16833438 |

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.

Phone: 408-354-4448

Email: admin@patentforce.com
Correspondent Name: GLASS & ASSOCIATES

Address Line 1: 236 N. SANTA CRUZ AVENUE

Address Line 2: SUITE 243

Address Line 4: LOS GATOS, CALIFORNIA 95030

| ATTORNEY DOCKET NUMBER: | FOV-288COA-US |
|-------------------------|--|
| NAME OF SUBMITTER: | KENNETH GLASS |
| SIGNATURE: | /Kenneth Glass/ |
| DATE SIGNED: | 03/27/2020 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

PATENT REEL: 052250 FRAME: 0914

Total Attachments: 6 source=FOV-288NewDec-All#page1.tif source=FOV-288NewDec-All#page2.tif source=FOV-288NewDec-All#page3.tif source=FOV-288NewDec-All#page4.tif source=FOV-288NewDec-All#page5.tif source=FOV-288NewDec-All#page6.tif

PATENT REEL: 052250 FRAME: 0915

| Title of | SUB-SAMPLED COLOR CHANNEL READOUT WIRING FOR VERTICAL DETECTOR PIXEL SENSORS |
|-----------|--|
| Invention | |

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application (THE APPLICATION).

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 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.

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the below named inventor(s) (ASSIGNORS) of certain inventions or improvements (THE INVENTIONS) described and/or claimed in THE APPLICATION, do hereby sell, assign and transfer and set over to Foveon, Inc., a California corporation with an address at 2249 Zanker Road, San Jose, California 95131 (ASSIGNEE), the entire worldwide right, title and interest in and to: THE INVENTIONS; THE APPLICATION and any other related intellectual property rights such as, but not limited to, copyright rights, copyrightable subject matter, know how, trade secrets, copyright registrations, reproduction rights; all continuations, divisions, renewals of or substitutes for THE APPLICATION; the right to file counterparts to THE APPLICATION in all countries and regions; the right to claim priority from THE APPLICATION in all countries and regions; all patents which may be granted on or as a result thereof; and any reissue or reissues of such patents; the same to be held and enjoyed by the ASSIGNEE, its successors, nominees, assigns or legal representatives, to the full end of the term or terms for which such patents respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by the ASSIGNORS, had this Assignment, sale and transfer not been made.

ASSIGNORS hereby covenant that they: have full right to convey the entire interest herein assigned and that they have not executed and will not execute any agreement to transfer any rights in THE INVENTIONS and/or THE APPLICATION to anyone other than the ASSIGNEE or that is otherwise in conflict herewith.

Each time a request is made and without undue delay ASSIGNORS promise that they shall: execute and deliver all such papers as may be necessary or desirable to perfect the title to THE INVENTIONS, THE APPLICATION, and the patents in the ASSIGNEE, its successors, assigns, nominees or legal representatives; communicate to the ASSIGNEE, or its nominees, all known facts respecting THE INVENTIONS, THE APPLICATION and said patents; testify in any legal proceedings; sign all lawful papers; execute all disclaimers and divisional, continuing, reissue and foreign applications; make all rightful oaths; and do everything possible to aid the ASSIGNEE, its successors, assigns, legal representatives and nominees to obtain and enforce for its or their own benefit, proper patent protection for the Inventions in all countries. ASSIGNORS agree not to challenge or oppose, on any grounds whatsoever, the validity of this Assignment or to contest the validity or enforceability of any intellectual property rights assigned herein. ASSIGNORS agree not to assist or request any third party to: contest the validity of this Assignment or contest the validity or enforceability of any intellectual property rights assigned herein. ASSIGNORS hereby waive any and all moral rights under 17 U.S.C. § 106A or otherwise.

ASSIGNORS hereby irrevocably designate and appoint the ASSIGNEE and its duly authorized officers and agents, and their successors, as theirs agents and attorneys-in-fact, to act on the ASSIGNORS' behalf and instead of the ASSIGNORS, to execute and file applications to patent THE INVENTIONS in all countries, and to do all other proper

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Patent Application Docket No.: FOV-288

lawfully-permitted acts to further the assignment, prosecution and issuance of patents for the Inventions with the same legal force and effect as if executed by the ASSIGNORS. This power of attorney shall be deemed coupled with an interest and is irrevocable. ASSIGNORS hereby authorize and request any official of any country or countries

whose duty it is to issue patents on applications to issue to the ASSIGNEE, its successors, assigns, legal representatives or nominees all patents for THE INVENTIONS in accordance with the terms of this Assignment. First Inventor (Legal Name): Shrinath Ramaswami First Inventor-Witness of Signature: Before me personally came the First Inventor, who is known by me, and who did execute this document on the date indicated above. Witness Signature Second Inventor (Legal Name): Glenn Keller Signature: glann j. keller Date: 25 2018 Second Inventor-Witness of Signature: Before me personally came the Second Inventor, who is known by me, and who did execute this document on the date indicated above. ALEUA FIGIESCOA
Witness Name-Printed Witness Signature Third Inventor (Legal Name): Tatsuya Inui Date: Third Inventor-Witness of Signature: Before me personally came the Third Inventor, who is known by me, and who did execute this document on the date indicated above. Witness Signature Witness Name-Printed

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PATENT REEL: 052250 FRAME: 0917

| Fourth Inventor (Legal Name): Shigemi Yamazaki | |
|---|--|
| Signature: | Date: |
| Fourth Inventor-Witness of Signature: Before me personally came execute this document on the date indicated above. | e the Fourth Inventor, who is known by me, and who did |
| Witness Signature Wi | itness Name-Printed |
| Fifth Inventor (Legal Name): <u>Jonathan Yu</u> Signature: | Date: 9/25/18 |
| Fifth Inventor-Witness of Signature: Before me personally came the execute this document on the date indicated above. Witness Signature Witness Signature | he Fifth Inventor, who is known by me, and who did LEC/A FIGIEUA itness Name-Printed |

| Title of | SUB-SAMPLED COLOR CHANNEL READOUT WIRING FOR VERTICAL DETECTOR PIXEL SENSORS |
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Each time a request is made and without undue delay ASSIGNORS promise that they shall: execute and deliver all such papers as may be necessary or desirable to perfect the title to THE INVENTIONS, THE APPLICATION, and the patents in the ASSIGNEE, its successors, assigns, nominees or legal representatives; communicate to the ASSIGNEE, or its nominees, all known facts respecting THE INVENTIONS, THE APPLICATION and said patents; testify in any legal proceedings; sign all lawful papers; execute all disclaimers and divisional, continuing, reissue and foreign applications; make all rightful oaths; and do everything possible to aid the ASSIGNEE, its successors, assigns, legal representatives and nominees to obtain and enforce for its or their own benefit, proper patent protection for the Inventions in all countries. ASSIGNORS agree not to challenge or oppose, on any grounds whatsoever, the validity of this Assignment or to contest the validity or enforceability of any intellectual property rights assigned herein. ASSIGNORS agree not to assist or request any third party to: contest the validity of this Assignment or contest the validity or enforceability of any intellectual property rights assigned herein. ASSIGNORS hereby waive any and all moral rights under 17 U.S.C. § 106A or otherwise.

ASSIGNORS hereby irrevocably designate and appoint the ASSIGNEE and its duly authorized officers and agents, and their successors, as theirs agents and attorneys-in-fact, to act on the ASSIGNORS' behalf and instead of the ASSIGNORS, to execute and file applications to patent THE INVENTIONS in all countries, and to do all other proper

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lawfully-permitted acts to further the assignment, prosecution and issuance of patents for the Inventions with the same legal force and effect as if executed by the ASSIGNORS. This power of attorney shall be deemed coupled with an interest and is irrevocable. ASSIGNORS hereby authorize and request any official of any country or countries whose duty it is to issue patents on applications to issue to the ASSIGNEE, its successors, assigns, legal representatives or nominees all patents for THE INVENTIONS in accordance with the terms of this Assignment.

| First Inventor (Legal Name): Shrinath Ramaswami | |
|---|---|
| Signature: | Date: |
| First Inventor-Witness of Signature: Before me personally came execute this document on the date indicated above. | ne the First Inventor, who is known by me, and who did |
| Witness Signature | Witness Name-Printed |
| Second Inventor (Legal Name): Glenn Keller | |
| Signature: | Date: |
| Second Inventor- Witness of Signature: Before me personally c execute this document on the date indicated above. | rame the Second Inventor, who is known by me, and who did |
| Witness Signature | Witness Name-Printed |
| Third Inventor (Legal Name): Tatsuva Inui | |
| Signature: Tatsuya amu | Date: <u>20/8/09/</u> 20 |
| Third Inventor-Witness of Signature: Before me personally ca execute this document on the date indicated above. | me the Third Inventor, who is known by me, and who did |
| Takeshi Tanaka | Takesh: Tanaka |
| Witness Signature | Witness Name-Printed |

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REEL: 052250 FRAME: 0920

| Fourth Inventor (Legal Name): Shigemi Yamazaki | |
|---|---|
| Signature: Shigam Januarash | Date: 20/8/9/20 |
| Fourth Inventor-Witness of Signature: Before me personally execute this document on the date indicated above. | came the Fourth Inventor, who is known by me, and who did |
| Takeshi Tanaka Witness Signature | Takeshi Tanaka Witness Name-Printed |
| | • |
| Fifth Inventor (Legal Name): Jonathan Yu | |
| Fifth Inventor (Legal Name): Jonathan Yu Signature: | Date: |
| | |

Patent Application Docket No.: FOV-288

RECORDED: 03/27/2020

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