## 507817634 03/24/2023

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT7864766 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

#### **CONVEYING PARTY DATA**

| Name                   | Execution Date |
|------------------------|----------------|
| ALEXANDER D. WHITE     | 02/12/2021     |
| PARHAM PORSANDEH KHIAL | 03/29/2021     |
| SEYED ALI HAJIMIRI     | 03/21/2023     |

### **RECEIVING PARTY DATA**

| Name:           | CALIFORNIA INSTITUTE OF TECHNOLOGY |
|-----------------|------------------------------------|
| Street Address: | 1200 EAST CALIFORNIA BLVD.         |
| City:           | PASADENA                           |
| State/Country:  | CALIFORNIA                         |
| Postal Code:    | 91125                              |

### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16102484 |

### **CORRESPONDENCE DATA**

**Fax Number:** (510)663-0920

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:** 5106631100

**Email:** assignments@wavsip.com

Correspondent Name: WEAVER AUSTIN VILLENEUVE & SAMPSON LLP

Address Line 1: P.O. BOX 70250

Address Line 4: OAKLAND, CALIFORNIA 94612-0250

| ATTORNEY DOCKET NUMBER: | CTECP026US/CIT 7833        |
|-------------------------|----------------------------|
| NAME OF SUBMITTER:      | MARISABEL GARCIA LINARES   |
| SIGNATURE:              | /Marisabel Garcia Linares/ |
| DATE SIGNED:            | 03/24/2023                 |

## **Total Attachments: 4**

source=CTECP026\_CIT 7833\_Assignment\_executed#page1.tif source=CTECP026\_CIT 7833\_Assignment\_executed#page2.tif source=CTECP026\_CIT 7833\_Assignment\_executed#page3.tif source=CTECP026\_CIT 7833\_Assignment\_executed#page4.tif

PATENT 507817634 REEL: 063090 FRAME: 0695

#### ASSIGNMENT

WHEREAS, **Alexander D. White**, residing at Carlsbad, California, the United States of America; **Parham Porsandeh Khial**, residing at Alhambra, California, the United States of America; and **Seyed Ali Hajimiri**, residing at La Canada, California, the United States of America hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application(s):

Title of Invention: LENSLESS 3-DIMENSIONAL IMAGING USING

**DIRECTIONAL SENSING ELEMENTS** 

U.S. Application No.: 16/102,484

Filing Date: August 13, 2018

WHEREAS, California Institute of Technology, a corporation incorporated under and pursuant to the laws of California, and having its principal place of business at 1200 E. California Blvd, Pasadena, California, the United States of America, hereinafter referred to as "Assignee," is desirous of acquiring all of Assignors' right, title, and interest in and to said invention, the right to file applications on said invention, and the right, title and interest in and to any applications, including provisional applications, for Letters Patent of the United States or other countries claiming priority to said applications, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefore and thereon;

NOW, THEREFORE, for good and valuable consideration, receipt of which are hereby acknowledged by Assignors, Assignors have assigned, transferred and set over, and by these presents does assign, transfer and set over unto Assignee, and Assignee's successors, legal representatives, and assigns, all of Assignors' right, title and interest in and to the above-mentioned invention and application, the right to file applications on said invention, and the right, title and interest in and to any such applications, including provisional applications, and any applications claiming priority from said applications for Letters Patent of the United States or other countries (including patent, utility model and industrial designs), and in and to any Letters Patent or Patents of the United States of America and all foreign countries that have been or may be granted therefor and thereon, and in and to any and all divisions, renewals, substitutions, conversions, continuations, and continuations-in-part of said applications, and reissues, prolongations and extensions of said Letters Patent or Patents, and all rights under the Paris Convention for the Protection of Industrial Property, including the right to claim priority, the same to be held and enjoyed by Assignee, for its own use and behalf and the use and behalf of Assignee's successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignors had this Assignment not been made;

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives, and assigns, that Assignor shall, whenever counsel of Assignee, or the counsel of its successors, legal representatives, and assigns, advises that any

PATENT REEL: 063090 FRAME: 0696

Attorney Docket No. 121456-516559 (005610US) Client Reference No. CIT 7833 Assignment Page 2

proceeding in connection with said invention or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said invention in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, continuation-in-part, substitution or conversion of any applications for Letters Patent or Patents, or any reissue, prolongation or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, 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 Letters Patent or Patents for said invention, without charge to Assignee, its successors, legal representatives, and assigns, but at the cost and expense of Assignee, its successors, legal representatives, and assigns;

AND Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent or Patents of the United States to Assignee as the assignee of said invention and the Letters Patent or Patents issued and to be issued thereon for the use and behalf of Assignee, its successors, legal representatives, and assigns;

AND the undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment the application number and filing date and any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

IN TESTIMONY WHEREOF, Assignors have signed their name on the dates indicated.

| 2/12/2021 | alex Write             |
|-----------|------------------------|
| Date      | Alexander D. White     |
| Date      | Parham Porsandeh Khial |
| Date      | Seyed Ali Hajimiri     |

PATENT REEL: 063090 FRAME: 0697

Attorney Docket No. 121456-516559 (005610US) Client Reference No. CIT 7833 Assignment Page 2

proceeding in connection with said invention or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said invention in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, continuation-in-part, substitution or conversion of any applications for Letters Patent or Patents, or any reissue, prolongation or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, 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 Letters Patent or Patents for said invention, without charge to Assignee, its successors, legal representatives, and assigns, but at the cost and expense of Assignee, its successors, legal representatives, and assigns;

AND Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent or Patents of the United States to Assignee as the assignee of said invention and the Letters Patent or Patents issued and to be issued thereon for the use and behalf of Assignee, its successors, legal representatives, and assigns;

AND the undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment the application number and filing date and any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

IN TESTIMONY WHEREOF, Assignors have signed their name on the dates indicated.

| Date       | Alexander D. White     |
|------------|------------------------|
| 03/29/2021 | July flight fort       |
| Date       | Parham Porsandeh Khial |
| Date       | <br>Seyed Ali Hajimiri |

PATENT REEL: 063090 FRAME: 0698

Attorney Docket No. 121456-516559 (005610US) Client Reference No. CIT 7833 Assignment Page 2

proceeding in connection with said invention or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said invention in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, continuation-in-part, substitution or conversion of any applications for Letters Patent or Patents, or any reissue, prolongation or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, 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 Letters Patent or Patents for said invention, without charge to Assignee, its successors, legal representatives, and assigns, but at the cost and expense of Assignee, its successors, legal representatives, and assigns;

AND Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent or Patents of the United States to Assignee as the assignee of said invention and the Letters Patent or Patents issued and to be issued thereon for the use and behalf of Assignee, its successors, legal representatives, and assigns;

AND the undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment the application number and filing date and any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

IN TESTIMONY WHEREOF, Assignors have signed their name on the dates indicated.

| Date       | Alexander D. White     |
|------------|------------------------|
| Date       | Parham Porsandeh Khial |
| 03,21,2023 | Seved Ali Hajimiri     |

PATENT REEL: 063090 FRAME: 0699

**RECORDED: 03/24/2023**