#### 506392445 12/09/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6439201

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the NAME OF THE 6TH CONVEYING PARTY previously recorded on Reel 053480 Frame 0018. Assignor(s) hereby confirms the ASSIGNMENT BY INVENTORS DATED AUGUST 04, 2020.
RESUBMIT DOCUMENT ID:	506268152

#### **CONVEYING PARTY DATA**

Name	Execution Date
WANG KIT WILSON THONG	08/04/2020
JIHUI ZHANG	08/04/2020
MAN WAI KWAN	08/04/2020
YIU MAN LAM	08/04/2020
CHENG HSIUNG LIU	08/04/2020
JIAXIN YAN	09/04/2020
ZHUOBIN LIN	08/04/2020

#### **RECEIVING PARTY DATA**

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Street Address:	5/F, PHOTONICS CENTRE, 2 SCIENCE PARK EAST AVENUE, HONG KONG SCIENCE PARK, SHATIN, NEW TERRITORIES
City:	HONG KONG
State/Country:	HONG KONG

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

Property Type	Number
Application Number:	16992088

#### **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: 571-335-7752

Email: patent@ideaintellectual.com **Correspondent Name:** IDEA INTELLECTUAL LIMITED Address Line 1: 12F-1, NO. 49, BO AI ROAD Address Line 2: ZHONGZHENG DISTRICT TAIPEI CITY, TAIWAN 10044 Address Line 4:

**PATENT** 506392445

REEL: 054584 FRAME: 0027

ATTORNEY DOCKET NUMBER:	P1627US00
NAME OF SUBMITTER:	SAM YIP
SIGNATURE:	/Sam Yip/
DATE SIGNED:	12/09/2020

## **Total Attachments: 4**

source=P1627US00\_Assignment\_updated\_v2\_signed\_#page1.tif source=P1627US00\_Assignment\_updated\_v2\_signed\_#page2.tif source=P1627US00\_Assignment\_updated\_v2\_signed\_#page3.tif source=CoverSheet#page1.tif

PATENT REEL: 054584 FRAME: 0028

### Assignment by Inventors

THIS ASSIGNMENT, made by Wang Kit Wilson THONG; Jihui ZHANG; Man Wai KWAN; Yiu Man LAM; Cheng Hsiung LIU; Jiaxin YAU; Zhuobin LIN (hereinafter referred to as Assignors); all residing at 3/F, Photonics Centre, 2 Science Park East Avenue, Hong Kong Science Park, Shatin, Hong Kong.

Jiaxin YAN

Jinny 04/09/2020

WHEREAS, Assignors have invented certain new and useful improvements in the patent application entitled <u>APPARATUS AND METHOD FOR ESTIMATING CAMERA ORIENTATION RELATIVE TO GROUND SURFACE</u>, set forth in a Patent application for Letters Patent of the United States, filed herewith;

WHEREAS, Hong Kong Applied Science and Technology Research Institute Company Limited, a Limited Liability Company organized under and pursuant to the laws of Hong Kong having its principal place of business at 5/F, Photonics Centre, 2 Science Park East Avenue, Hong Kong Science Park, Shatin, New Territories, Hong Kong (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, for 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, 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

PATENT REEL: 054584 FRAME: 0029 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 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:

#### IDEA Intellectual Limited

and all practitioners at Custon	ner Number: <u>140382</u>
AND Assignors acknowledge an obligati Assignee at the time the invention was made.	on of assignment of this invention
Date: 4 AUG 2020	
	Wang Kit Wilson THONG
Date: 4 AUG 2020	Jihui ZHANG
Date: 4 AUG 2020	<u> </u>
Date: 4 AUG 2020	Man Wai KWAN
Date: 4 AUG 2020	Yiu Man LAM  WHATELEM
7700 2040	Cheng Hsiung LIU

PATENT REEL: 054584 FRAME: 0030

Ю

Date: 4 AUG 2020	Jinky  Jiaxin YAU Jiaxin YAN Vinny  04/09/2020
Date: 4 AUG 2020	LIV, Zhuobin

PATENT REEL: 054584 FRAME: 0031

### 506201198 08/13/2020

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
WANG KIT WILSON THONG	08/04/2020
JIHUI ZHANG	08/04/2020
MAN WAI KWAN	08/04/2020
YIU MAN LAM	08/04/2020
CHENG HSIUNG LIU	08/04/2020
JIAXIN YAU	08/04/2020
ZHUOBIN LIN	08/04/2020

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City:	HONG KONG
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ATTORNEY DOCKET NUMBER:	P1627US00
NAME OF SUBMITTER:	SAM YIP
SIGNATURE:	/SAM YIP/
DATE SIGNED:	08/12/2020

PATENT
RECORDED: 09/23/2020 REEL: 054584 FRAME: 0032