

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5202902

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INVENTOR 6 & 9 NAMES "EUNICE HO ONG" SHOULD READ --EUNICE HO HUI ONG-- "EDMUND KOON LUA" SHOULD READ --EDMUND KOON TIAN LUA-- previously recorded on Reel 046452 Frame 0284. Assignor(s) hereby confirms the HEPTAGON MICRO OPTICS PTE. LTD..
CONVEYING PARTY DATA	
Name	Execution Date
Hartmut Rudmann	07/25/2018
Qichuan Yu	08/24/2017
Simon Gubser	08/24/2017
Bojan Tesanovic	11/06/2017
Xu Yi	08/24/2017
EUNICE HO HUI ONG	08/24/2017
Hongyuan Liu	08/24/2017
Ji Wang	08/24/2017
EDMUND KOON TIAN LUA	08/24/2017
Myo Paing	08/24/2017
Jian Tang	08/24/2017
Ming Jie Lee	08/24/2017
RECEIVING PARTY DATA	
Name:	HEPTAGON MICRO OPTICS PTE. LTD.
Street Address:	26 WOODLANDS LOOP
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	738317
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15631361
CORRESPONDENCE DATA	
Fax Number:	(877)769-7945
<i>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.</i>	
Phone:	(212) 765-5070
Email:	apsi@fr.com
PATENT	

Correspondent Name: DIANE M. SATURNO
Address Line 1: FISH & RICHARDSON P.C.
Address Line 2: P.O.BOX 1022
Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	31026-0225001
NAME OF SUBMITTER:	DIANE M. SATURNO
SIGNATURE:	/Diane M. Saturno/
DATE SIGNED:	10/24/2018

Total Attachments: 11

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5065641

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Hartmut Rudmann	07/25/2018
Qichuan Yu	08/24/2017
Simon Gubser	08/24/2017
Bojan Tesanovic	11/06/2017
Xu Yi	08/24/2017
Eunice Ho Ong	08/24/2017
Hongyuan Liu	08/24/2017
Ji Wang	08/24/2017
Edmund Koon Lua	08/24/2017
Myo Paing	08/24/2017
Jian Tang	08/24/2017
Ming Jie Lee	08/24/2017
RECEIVING PARTY DATA	
Name:	HEPTAGON MICRO OPTICS PTE. LTD.
Street Address:	26 WOODLANDS LOOP
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	738317
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15631361
CORRESPONDENCE DATA	
Fax Number:	(877)769-7945
<i>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.</i>	
Phone:	(212) 765-5070
Email:	apsi@fr.com
Correspondent Name:	SAMUEL BORODACH
Address Line 1:	FISH & RICHARDSON P.C.
Address Line 2:	P.O.BOX 1022

PATENT

REEL: 047298 FRAME: 0960

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, HARTMUT RUDMANN, QICHUAN YU, SIMON GUBSER, BOJAN TESANOVIC, XU YI, EUNICE HO HUI LONG, HONGYUAN LIU, JI WANG, EDMUND KOON TIAN LIA, MYO PAING, JIAN TANG and MING JIE LEE, each individually assign to HEPTAGON MICRO OPTICS PTE. LTD., a corporation formed under the laws of Singapore and having a principal place of business at 26 Woodlands Loop, Singapore, Singapore 738317, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "OPTOELECTRONIC MODULES INCLUDING OPTOELECTRONIC DEVICE SUBASSEMBLIES AND METHODS OF MANUFACTURING THE SAME," and was filed in the United States Patent and Trademark Office on June 23, 2017, as application 15/631,361 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

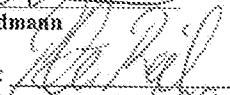
We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

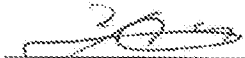
We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.


Hartmut Rüdman

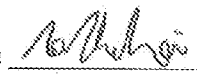
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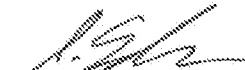
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Qichuan Yu

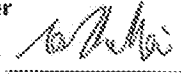
Date: 24/08/2017

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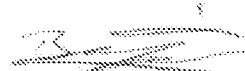
Dated: 24/8/17


Simon Gubser

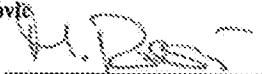
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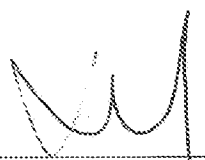
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Bojan Tesanovic

Date: 06.11.2017

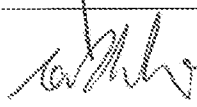
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Dated: 6.11.2017

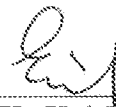


Xu Yi

Date: 24/8/2017

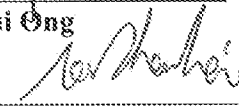
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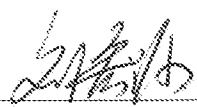


Eunice Ho Hui Ong

Date: 24/8/2017

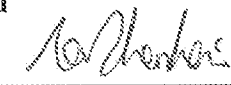
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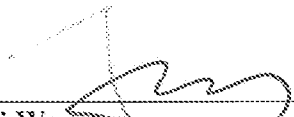


Hongyuan Liu

Date: 24/8/2017

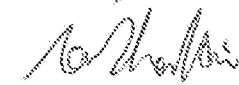
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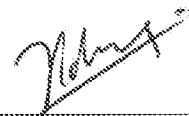


Ji Wang

Date: 24/8/17

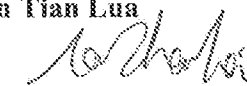
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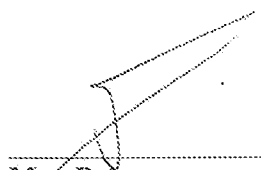


Edmund Koon Tian Lua

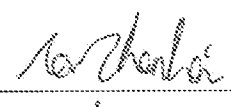
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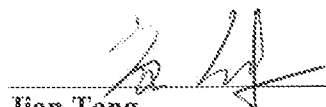
Dated: 24/8/17


Myo Paing

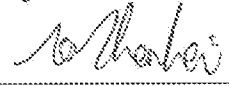
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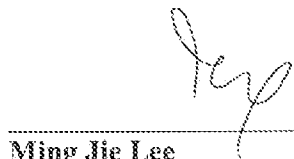
Dated: 24/8/17


Jian Tang

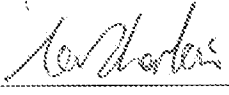
Date: 24/8/17

Witnessed by: 

Dated: 24/8/17


Ming Jie Lee

Date: 24/8

Witnessed by: 

Dated: 24/8/17

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: **HEPTAGON MICRO OPTICS PTE. LTD.**

Signature: _____ Date: _____

Name: _____

Title: _____

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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, HARTMUT RUDMANN, QICHUAN YU, SIMON GUBSER, BOJAN TESANOVIC, XU YI, EUNICE HO HUI ONG, HONGYUAN LIU, JI WANG, EDMUND KOON TIAN LIA, MYO PAING, JIAN TANG and MING JIE LEE, each individually assign to HEPTAGON MICRO OPTICS PTE. LTD., a corporation formed under the laws of Singapore and having a principal place of business at 26 Woodlands Loop, Singapore, Singapore 738317, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "OPTOELECTRONIC MODULES INCLUDING OPTOELECTRONIC DEVICE SUBASSEMBLIES AND METHODS OF MANUFACTURING THE SAME," and was filed in the United States Patent and Trademark Office on June 23, 2017, as application 15/631,361 (the "Application").

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Hartmut Rudmann Date: _____

Witnessed by: _____

Dated: _____

Qichuan Yu Date: _____

Witnessed by: _____

Dated: _____

Simon Gubser Date: _____

Witnessed by: _____

Dated: _____

Bojan Tesanovic Date: _____

Witnessed by: _____

Dated: _____

Xu Yi Date: _____

Witnessed by: _____

Dated: _____

Eunice Ho Hui Ong Date: _____

Witnessed by: _____

Dated: _____

Hongyuan Liu Date: _____

Witnessed by: _____

Dated: _____

Ji Wang Date: _____

Witnessed by: _____

Dated: _____

Edmund Koon Tian Lua Date: _____

Witnessed by: _____

Dated: _____

Date: _____
Myo Paing

Witnessed by: _____

Dated: _____

Date: _____
Jian Tang

Witnessed by: _____

Dated: _____

Date: _____
Ming Jie Lee

Witnessed by: _____

Dated: _____

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: **HEPTAGON MICRO OPTICS PTE. LTD.**

Signature: _____ Date: 28 Aug 2017

Name: USANG SONG PHU

Title: SUP Operator

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