PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Rolf A. Wyss	08/08/2013
Peter C. Sercel	08/12/2013

RECEIVING PARTY DATA

Name:	HOYA Corporation USA
Street Address:	3285 Scott Boulevard
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 2

Property Type	Number
PCT Number:	US2012041774
PCT Number:	US2012049650

CORRESPONDENCE DATA

Fax Number: 8008536150

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 5416869462

Email: dsalavi@northwestpatent.com

Correspondent Name: David S Alavi

Address Line 1: 2852 Willamette #402 Address Line 4: Eugene, OREGON 97405

ATTORNEY DOCKET NUMBER:	XPNT72/73PCT	
NAME OF SUBMITTER:	David S Alavi Reg No 40310	
Signature:	/David S Alavi - 40310/	
Date:	08/14/2013	

502457180 REEL: 031002 FRAME: 0913

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Total Attachments: 6

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> PATENT REEL: 031002 FRAME: 0914

ASSIGNMENT

WHEREAS, WE, Rolf A. Wyss, a resident of Glendale, CA and Peter C. Sercel, a resident of Pasadena, CA (hereinafter referred to as "ASSIGNORS"), have invented certain new and useful invention(s) disclosed in an international patent application for Letters Patent entitled Submount for electronic, optoelectronic, optical, or photonic components that was filed on 08 JUNE 2012 and assigned International Application No. PCT/US2012/041774;

AND WHEREAS HOYA Corporation USA, a California corporation, having a place of business at 3285 Scott Boulevard, Santa Clara, California, 95054 (hereafter called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said invention(s), said application, and any Letters Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over and do hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said invention(s), said international patent application, all national or regional phase applications thereof, and to any Letters Patent, application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto, to be obtained for said invention(s) disclosed in said international patent application, and to any continuation, division, renewal, substitute, reissue, reexamination, or extension thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention and any other applicable laws or treaties; and ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof, to issue said Letters Patent or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Assignment;

AND ASSIGNORS HEREBY covenant that ASSIGNORS have full right to convey the entire interest herein assigned, and that ASSIGNORS have not executed, and will not execute, any agreement in conflict herewith:

AND ASSIGNORS HEREBY further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention(s) and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation, or other legal proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention(s) and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

ASSIGNMENT App. No. PCT/US2012/041774

August 20/13.	, California, this Bth day of
•	BOLDA WYSS
STATE OF CALIFORNIA) COUNTY OF LOS ANGELES)	
On 8-8-30/3, before me PAMELA said County and State, personally appeared R	STOCK , a Notary Public in and for OLF A. WYSS , who
	be the person(s) whose name(s) is/are subscribed to the

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of

WITNESS my hand and official seal.

which the person(s) acted, executed the instrument.

PAMELA STOCK Commission # 1932560 Notary Public - California Ventura County My Comm. Expires May 12, 2015 ASSIGNMENT App. No. <u>PCT/US2012/041774</u>

WITNESS my hand at Moncovia, California, this 12 day of

STATE OF CALIFORNIA COUNTY OF LOS ANGELES

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

PRACY GONZALES
COMMAND 1 1000037
NOTIFIC COLORONS
LOS ANGELES COLORONS
My Casas, Expression 18, 200



HOYAW

ASSIGNMENT

WHEREAS, WE, Rolf A. Wyss, a resident of Glendale, CA and Peter C. Sercel, a resident of Pasadena, CA (hereinafter referred to as "ASSIGNORS"), have invented certain new and useful invention(s) disclosed in an international patent application for Letters Patent entitled Submount for optoelectronic, optical, or photonic components that was filed on 03 AUGUST 2012 and assigned International Application No. PCT/US2012/049650;

AND WHEREAS <u>HOYA Corporation USA</u>, a California corporation, having a place of business at <u>3285 Scott Boulevard</u>, <u>Santa Clara</u>, <u>California</u>, <u>95054</u> (hereafter called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said invention(s), said application, and any Letters Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred, and set over and do hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said invention(s), said international patent application, all national or regional phase applications thereof, and to any Letters Patent, application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto, to be obtained for said invention(s) disclosed in said international patent application, and to any continuation, division, renewal, substitute, reissue, reexamination, or extension thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention and any other applicable laws or treaties; and ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof, to issue said Letters Patent or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Assignment;

AND ASSIGNORS HEREBY covenant that ASSIGNORS have full right to convey the entire interest herein assigned, and that ASSIGNORS have not executed, and will not execute, any agreement in conflict herewith;

AND ASSIGNORS HEREBY further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention(s) and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation, or other legal proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention(s) and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

ASSIGNMENT App. No. <u>PCT/US2012/049650</u>

August 2013.	<u>California</u> , this <u>84</u> day of
<i>6</i>	ROLF A. WYSS
STATE OF CALIFORNIA) COUNTY OF LOS ANGELES)	
On X-8-20/3, before me PAMELAS said County and State, personally appeared ROL	TOCK , a Notary Public in and for whom the state of the s
proved to me on the basis of satisfactory evidence to be within instrument and acknowledged to me that he/she capacity(ies), and that by his/her/their signature(s) on the which the person(s) acted, executed the instrument.	the person(s) whose name(s) is/are subscribed to the they executed the same in his/her/their authorized
certify under PENALTY OF PERILIRY under the laws	of the State of California that the foregoing paragraph

is true and correct.

WITNESS my hand and official seal.

PAMELA STOCK
Commission # 1932560
Notary Public - California
Ventura County
My Comm. Expires May 12, 2015

ASSIGNMENT App. No. <u>PCT/US2012/049650</u>

WITNESS my hand at	Ion rovia	, <u>(alifornia</u> , this 12 day of
<u>, 1044 ; </u>		PETER C. SERCEL
STATE OF CALIFORNIA)	

On August 12, 2013, before me Tracy Gonzales, a Notary Public in and for said County and State, personally appeared PETER C. SERCEL, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

TRACY GONZALES
COMM. # 1996637
MOTARY PUBLIC - CALFORMA S
LOS ANGELES COUNTY
ldy Comm. Explos October 20, 2016