PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Csaba Szeles	02/01/2011
Michael Prokesch	02/04/2011
Utpal Chakrabarti	01/21/2011

RECEIVING PARTY DATA

Name:	II-VI Incorporated	
Street Address:	375 Saxonburg Boulevard	
City:	Saxonburg	
State/Country:	PENNSYLVANIA	
Postal Code:	16056	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12996150

CORRESPONDENCE DATA

Fax Number: (412)945-5933

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

Phone: 412-471-8815

Email: assignments@webblaw.com
Correspondent Name: THE WEBB LAW FIRM, P.C.
Address Line 1: 700 KOPPERS BUILDING
Address Line 2: 436 SEVENTH AVENUE

Address Line 4: PITTSBURGH, PENNSYLVANIA 15219

ATTORNEY DOCKET NUMBER:	4386-103679
NAME OF SUBMITTER:	Richard L. Byrne, Reg. No. 28,498

Total Attachments: 5

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PATENT REEL: 025850 FRAME: 0485 P \$40.00 12996150

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PATENT REEL: 025850 FRAME: 0486 Form **PTO-1595** (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008)

RECORDATION FORM COVER SHEET				
PATENTS ONLY				
To the Director of the U.S. Patent and Trademark Office: Pleas	se record the attached documents or the new address(es) below.			
Name of conveying party(ies) Csaba Szeles	2. Name and address of receiving party(ies)			
Utpal K. Chakrabarti	Name: II-VI INCORPORATED			
Michael Prokesch	Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes ✓ No 3. Nature of conveyance/Execution Date(s):	Street Address: 375 Saxonburg Boulevard			
Execution Date(s) Feb. 1, 2011, Feb. 4, 2011, Jan. 21, 2011	Officer Address. 575 banoniburg Boundvard			
✓ Assignment Merger				
Security Agreement Change of Name	City: Saxonburg			
☐ Joint Research Agreement	State: PA			
Government Interest Assignment	Country 7in 40050			
Executive Order 9424, Confirmatory License	Country: Zip: 16056			
Other	Additional name(s) & address(es) attached? Yes Vo			
12/996,150 Additional numbers at	tached? ☐ Yes ✓ No			
5. Name and address to whom correspondence	6. Total number of applications and patents			
concerning document should be mailed:	involved: 1			
Name: Richard L. Byrne	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00			
Internal Address: The Webb Law Firm	Authorized to be charged by credit card			
	Authorized to be charged to deposit account			
Street Address: 436 Seventh Avenue	Enclosed			
700 Koppers Building	None required (government interest not affecting title)			
City: Pittsburgh	8. Payment Information			
State: <u>PA</u> Zip: <u>15219</u>	a. Credit Card Last 4 Numbers 4775 Expiration Date 05/2012			
Phone Number: 412-471-8815	,			
Fax Number: 412-945-5933	b. Deposit Account Number 23-0650			
Email Address: assignments@webblaw.com	Authorized User Name			
9. Signature: Marid h Chyn	February 23, 2011			
Signature/	Date			
Richard L. Byrne, Reg. No. 28,498	Total number of pages including cover			
Name of Person Signing	sheet, attachments, and documents:			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Doc. No.

	DOMESTIC
Application No	12/996,150
Attorney Docket No.	4386-103679

ASSIGNMENT

	WHEREAS,	as a	a below	named	inventor,	I have	invented	certain	new	and	useful
improvements	in										
	ANNEALIN	G C	F SEM	U-INSU	JLATING	G CDZI	NTE CRY	YSTAL	S		

(Invention Title) X for which a United States Provisional Patent application was filed on 06/06/2008 (mm/dd/yyyy) and bears Application Number 61/059,408 (hereinafter "said application"). AND/OR for which I have this day executed an application for a United States Patent (hereinafter "said application"). AND/OR X for which an application for a United States Patent was filed on 12/03/2010 (mm/dd/yyyy) and bears Application Number 12/996,150 (hereinafter "said application"). AND/OR X for which an international patent application was filed under the Patent Cooperation Treaty on 06/02/2009 (mm/dd/yyyy), bearing Application No. PCT/US2009/045933 (hereinafter "said application").

AND, WHEREAS, II-VI INCORPORATED, a corporation of the Commonwealth of Pennsylvania, having a place of business at 375 Saxonburg Boulevard, Saxonburg, Pennsylvania 16056, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me,

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	DOMESTIC
Application No	12/996,150
Attorney Docket No.	4386-103679

testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:	RESIDENCE:
Csaba Szeles	Allison Park, Pennsylvania
EXECUTED this day of, and, and, and, and, and, and	2011
STATE of Pennsyl Vania	Signature
COUNTY of Allegheny	
On this 151 day of February, in the year	YEAR, before me VALERIE HAWKIN, S
a notary public, personally appeared	Csaba Szeles ,
moved on the basis of actisfact.	NAME OF DOCUMENT SIGNER
	be the person whose name is subscribed to this
instrument, and acknowledged he/she executed the	e same. Witness my hand and official sear.
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	My Commissionares June 2, 2014 Member. Pennsylvania Association of Notaries

X Checked Box indicates 1 additional page(s) for inventor signatures.

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•		Application No	12/996,150
•		Attorney Docket 1	No. <u>4386-103679</u>
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2. FULL NAME OF ASSIGNOR: Michael Prokesch	RESID	ENCE: Gibsonia, Pennsylvania	
EXECUTED this 464 day of February	, 201 <u>1</u>		
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STATE of /		OIGIANDIO	XE
COUNTY OF AIRCHENY			
On this the day of the Month, in the y	car <u>JJ</u>	L, before me technology	L.KCRD
a notary public, personally appeared		Michael Prokesch	
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instrument, and acknowledged he/she executed	the same.	Witness my hand and official	al seal.
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William March on Dogs			Ĺ
Member, Pennsylvania Association of Notaries	\$256665555	***********	288888
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3. FULL NAME OF ASSIGNOR: Utpal Chakrabarti	RESID	ENCE: Allentown, Pennsylvania	
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a notary public, personally appeared		Utpal Chakrabarti NAME OF DOCUMENT SIGNER	3
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		NOTARY PUB	FIC S
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DOMESTIC

	DOMESTIC
Application No	12/996,150
Attorney Docket No	4386-103679

STATE of	2. FULL NAME OF ASSIGNOR: Michael Prokesch	RESIDENCE: Gibsonia, Pennsylvania
STATE of COUNTY of On this day of MONTH DAY MONTH a notary public, personally appeared Michael Prokesch NAME OF DOCUMENT SIGNER PROVIDED THE SIGNATURE 3. FULL NAME OF ASSIGNOR: Utpal Chakrabarti EXECUTED this day of ASSIGNOR: a notary public, personally appeared STATE of COUNTY of On this Lay day of ASSIGNOR: a notary public, personally appeared The Signature STATE of COUNTY of Signature COUNTY of On the basis of satisfactory evidence to be the person whose name is subscribed to this mortangular to the person whose name is subscribed to this lay of the person whose name is subscribed to this mortangular to the person whose name is subscribed to this mortangular to the person whose name is subscribed to this instrument, and acknowledged he/she executed the same. Witness my hand and official seat COMMONWEALTH OF PENNSYLVANIA Notarial seat COMMONWEALTH OF PENNSYLVANIA Notarial seat Kelly A, Ohart, Notary Public Lower Hadungle Type, Leithic County My cometteen Digital Seat L L L L L L L L L L L L L	EXECUTED thisday of	, 201
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