

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Avinash K. Gupta</td><td>06/13/2006</td></tr><tr><td>Edward Semenas</td><td>06/13/2006</td></tr><tr><td>Ilya Zwieback</td><td>06/13/2006</td></tr><tr><td>Donovan L. Barrett</td><td>06/14/2006</td></tr><tr><td>Andrew E. Souzis</td><td>06/13/2006</td></tr></tbody></table>	Name	Execution Date	Avinash K. Gupta	06/13/2006	Edward Semenas	06/13/2006	Ilya Zwieback	06/13/2006	Donovan L. Barrett	06/14/2006	Andrew E. Souzis	06/13/2006	
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RECEIVING PARTY DATA													
Name:	II-VI Incorporated												
Street Address:	375 Saxonburg Boulevard												
City:	Saxonburg												
State/Country:	PENNSYLVANIA												
Postal Code:	16056												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11405368</td></tr></tbody></table>	Property Type	Number	Application Number:	11405368									
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CORRESPONDENCE DATA													
Fax Number: (412)471-4094 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: (412) 471-8815													
Email: webblaw@webblaw.com													
Correspondent Name: Richard L. Byrne													
Address Line 1: 700 Koppers Building, 436 Seventh Avenue													
Address Line 2: The Webb Law Firm													
Address Line 4: Pittsburgh, PENNSYLVANIA 15219													
ATTORNEY DOCKET NUMBER:	4397-061190												
NAME OF SUBMITTER:	Richard L. Byrne (4397-061190)												

OP \$40.00 11405368

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PATENT
REEL: 017854 FRAME: 0804

Total Attachments: 4

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PATENT

REEL: 017854 FRAME: 0805

ASSIGNMENT

WHEREAS, WE, Avinash K. Gupta, Edward Semenas, Ilya Zwieback, Donovan L. Barrett and Andrew E. Souzis, residing in:

Avinash K. Gupta
Basking Ridge, New Jersey

Edward Semenas
Allentown, Pennsylvania

Ilya Zwieback
Washington Township, New Jersey

Donovan L. Barrett
Port Orange, Florida

Andrew E. Souzis
Hawthorne, New Jersey

have invented certain new and useful improvements in "METHOD OF AND SYSTEM FOR FORMING SiC CRYSTALS HAVING SPATIALLY UNIFORM DOPING IMPURITIES" for which a patent application was filed in the United States Patent and Trademark Office on April 17, 2006 and bears Application No. 11/405,368;

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.

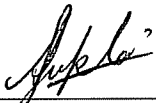
NOW, THEREFORE, for good and valuable consideration paid to us by said assignee, the receipt of which is hereby acknowledged, we do hereby assign, sell, transfer, and set over unto said assignee the entire right, title and interest in and to said application and the inventions and improvements therein 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, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner for Patents is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the 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 we have the full right to make this assignment.

And for the consideration aforesaid, we agree jointly and individually that we will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, 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 our 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.

Dated 6-13-06 By 
Avinash K. Gupta

STATE OF NEW JERSEY :
: ss:
COUNTY OF MORRIS :

Before me, a Notary Public in and for the said County and State personally appeared Avinash K. Gupta, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 13 day of June, 2006.

[NOTARIAL SEAL]

NATALIE GORDON
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 12/30/2007

Dated 6/13/06 By 
Edward Semenas

COMMONWEALTH OF PENNSYLVANIA :
: ss:
COUNTY OF :

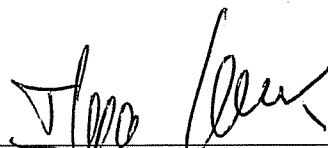
Before me, a Notary Public in and for the said County and State personally appeared Edward Semenas, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 13 day of June, 2006.

[NOTARIAL SEAL]

NATALIE GORDON
Notary Public
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 12/30/2007

Dated 06-13-06

By 
Ilya Zwieback

STATE OF NEW JERSEY

:
: ss:
:

COUNTY OF MORRIS

Before me, a Notary Public in and for the said County and State personally appeared Ilya Zwieback, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 13 day of June, 2006.

[NOTARIAL SEAL]

NATALIE GORDON
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 12/30/2010

Dated 6/14/06

By 
Donovan L. Barrett

STATE OF ~~NEW JERSEY~~ Florida

:
: ss:
:

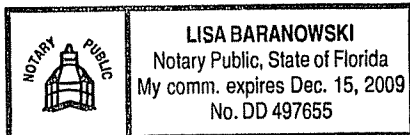
COUNTY OF ~~MORRIS~~ Volusia

Before me, a Notary Public in and for the said County and State personally appeared Donovan L. Barrett, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.


Witness my hand and notarial seal this 14 day of June, 2006.

[NOTARIAL SEAL]


Notary Public



Dated 6/13/2006

By 
Andrew E. Souzis

STATE OF NEW JERSEY

:

PASSAIC

: ss:

COUNTY OF ~~MORRIS~~

:

Before me, a Notary Public in and for the said County and State personally appeared Andrew E. Souzis, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 13 day of June, 2006.

[NOTARIAL SEAL]

NATALIE GORDON
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 12/30/2010