

PATENT ASSIGNMENT

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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>John Kouvetakis</td><td>05/18/2007</td></tr><tr><td>Jose Menendez</td><td>05/22/2007</td></tr><tr><td>John Tolle</td><td>05/18/2007</td></tr></tbody></table>		Name	Execution Date	John Kouvetakis	05/18/2007	Jose Menendez	05/22/2007	John Tolle	05/18/2007				
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Arizona Board of Regents, a Corporate body organized under Arizona Law, acting on behalf of Arizona State University</td></tr><tr><td>Street Address:</td><td>The Brickyard, 699 S. Mill Avenue</td></tr><tr><td>Internal Address:</td><td>Suite 601, Room 691AA</td></tr><tr><td>City:</td><td>Tempe</td></tr><tr><td>State/Country:</td><td>ARIZONA</td></tr><tr><td>Postal Code:</td><td>85281</td></tr></table>		Name:	Arizona Board of Regents, a Corporate body organized under Arizona Law, acting on behalf of Arizona State University	Street Address:	The Brickyard, 699 S. Mill Avenue	Internal Address:	Suite 601, Room 691AA	City:	Tempe	State/Country:	ARIZONA	Postal Code:	85281
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PROPERTY NUMBERS Total: 1													
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PCT Number:	US0533148												
CORRESPONDENCE DATA													
Fax Number: (312)913-0002 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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ATTORNEY DOCKET NUMBER:	05-724-PCT												
NAME OF SUBMITTER:	David Harper												

CH \$40.00 US0533148

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PATENT  
REEL: 019493 FRAME: 0794

**Total Attachments: 3**

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**ASSIGNMENT**

Case No.: **05-724-PCT**

Serial No.: **PCT/US05/33148**

Inventors: **John Kouvetakis, Jose Menendez and John Tolle**

Date of Execution  
of Application:

Filing Date: **September 16, 2005**

In view of good and valuable consideration provided to assignor, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

**Arizona Board of Regents, a corporate body organized under Arizona Law,  
Acting on behalf of Arizona State University**

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

**Materials and Optical Devices Based on Group IV Quantum Wells Grown on Si-Ge-Sn Buffered Silicon**

and identified as:

**Case No. 05-724-PCT**

in the offices of McDONNELL BOEHLEN HULBERT & BERGHOFF and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made

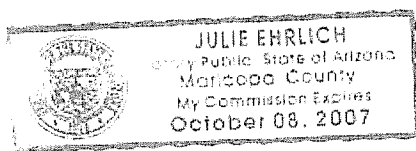
WITNESS my hand and seal this 18 day of May, 2007.

John Kouvetakis  
John Kouvetakis

State of Arizona

County of Maricopa

The foregoing instrument was acknowledged before me this 18 day of May, 2007 by Julie Ehrlich



Julie Ehrlich  
NOTARY PUBLIC

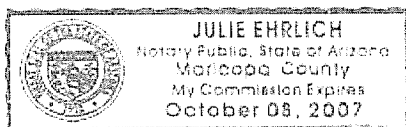
WITNESS my hand and seal this 22 day of May, 2007.

Jose Mendez  
Jose Mendez

State of Arizona

County of Maricopa

The foregoing instrument was acknowledged before me this 22 day of May, 2007 by Julie Ehrlich



Julie Ehrlich  
NOTARY PUBLIC

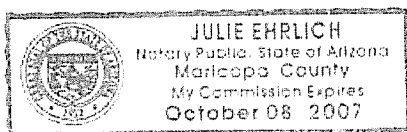
WITNESS my hand and seal this 18 day of May, 2007.

John Tolle  
John Tolle

State of Arizona

County of Maricopa

The foregoing instrument was acknowledged before me this 18 day of May, 2007 by Julie Ehrlich



Julie Ehrlich  
NOTARY PUBLIC