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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

No. 9138-0064CIP

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
 Name of conveying party(ies): John Kouvetakis; Ignatius S. 	2. Name and address of receiving party(ies)	
Tsong; Radek Roucka; John Tolle.	Name: Arizona Board of Regents	
Additional name(s) of conveying party(ies) attached? [] Yes [X] No	Address: P.O. Box 873511 Tempe, Arizona 85287-3511	
3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: 2/18/02; 2/18/02; 2/8/02; 2/8/02.	Additional name(s) & address(es) attached? [] Yes [X] No FINANCE OF FORM CE PROPERTY OF THE	
4. Application number(s) or patent number(s) SE 32 10	
If this document is being filed together with a new application, the execution date of the application is		
09/981,024 Filed October 16, 2001	B. Patent No.(s)	
Additional numbers attached? [] Yes [X] No		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Thomas D. MacBlain GALLAGHER & KENNEDY	7. Total fee (37 CFR 3.41): \$\\ 40.00	
Address: 2575 East Camelback Road	<pre>[X] Enclosed [] Authorized to be charged to deposit account</pre>	
City: Phoenix State: AZ Zip: 85016	8. Deposit account number: 070135 (Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE		
9. Statement and signature		
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Kittie Murray Reg. No. 30,346 Name of Person Signing Signature Date		
Total number of pages including cover sheet, attachments, and document: 4		
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ASSIGNMENT

We, JOHN KOUVETAKIS, a citizen of The United States of America, residing in Mesa, County of Maricopa, State of Arizona, IGNATIUS S.T. TSONG, a citizen of The United States of America, residing in Tempe, County of Maricopa, State of Arizona, RADEK ROUCKA, a citizen of the Czech Republic, residing in Tempe, County of Maricopa, State of Arizona, and JOHN TOLLE, a citizen of The United States of America, residing in Gilbert, County of Maricopa, State of Arizona, have made an invention(s) as disclosed in the utility application for United States patent filed in the U.S. Patent and Trademark Office on October 16, 2001, entitled:

LOW TEMPERATURE EPITAXIAL GROWTH OF QUATERNARY WIDE BANDGAP SEMICONDUCTORS

Acting on behalf of Arizona State University, located in Tempe, Arizona, with an office for conducting business at the Office of Technology Collaborations and Licensing, Arizona State University, P.O. Box 873511, Tempe, Arizona 85287-3511, the Arizona Board of Regents, a corporate body organized under Arizona law, wishes to acquire the entire right and title to and interest in the invention and any improvements on the invention and the above-identified patent application and any patent that may be obtained for the invention.

We, JOHN KOUVETAKIS, IGNATIUS S.T. TSONG, RADEK ROUCKA, and JOHN TOLLE, in accordance with the Arizona State University patent policy, for and in consideration of the sum of \$1.00 paid to us by the Arizona Board of Regents, and for other valuable consideration, the receipt of which is acknowledged, have sold, assigned, transferred, and conveyed and by this document do sell, assign, transfer, and convey, to the Arizona Board of Regents, its successors and its assigns the entire right and title to, and interest in the invention for which we have made the above-described application and all improvements on the invention, the above-identified patent application, any continued prosecution patent application (CPA), division, continuation or continuation-in-part that claims priority from the above-identified application Serial No. 09/981,024, and all United States and foreign patents that issue on the above-identified invention and improvements, and all United States and foreign patents and patent applications that claim priority from the above-identified utility patent application including any patent extensions, renewals or reissues, all for the full term or terms for which any of the foregoing may be granted.

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We, JOHN KOUVETAKIS, IGNATIUS S.T. TSONG, RADEK ROUCKA, and JOHN TOLLE, authorize and request the Commissioner of Patents and Trademarks to issue any patents of the United States, resulting from any application described above to the Arizona Board of Regents as the assignee of the rights identified above, for the sole use and benefit of the Arizona Board of Regents, its successors and its assigns.

We, JOHN KOUVETAKIS, IGNATIUS S.T. TSONG, RADEK ROUCKA, and JOHN TOLLE, for the consideration stated above, represent to and agree with the Arizona Board of Regents, its successors, and its assigns, that we have the full power to make this assignment, and that the assigned rights are unencumbered by any previously granted right or license. We, our executors or administrators, will do all acts and things and execute and deliver without further compensation any other instruments, further applications, papers, affidavits, powers of attorney, assignments, and other documents that, in the opinion of the counsel for the Arizona Board of Regents or its successors and its assigns are or may be required to more fully secure and vest the assigned right, title, and interest in and to the Arizona Board of Regents, its successors, and its assigns, and will sign any applications for utility patent, applications for reissue, continuation-in-part applications or applications for extension or renewal that may be desired by the owner of the patent or patents that may be issued for the invention or improvements on the invention.

Date: 2/18/52	By: J Kousel
/ /	JOHN'KOUVETAKIS
STATE OF THI BONE)	
COUNTY OF <u>() (acterper</u>) ss.:	

BE IT KNOWN, that on this A day of Legence, 2002, before me personally appeared JOHN KOUVETAKIS, known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

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O COLOR	PATRICIA A. CEDERBERG
的自然是引	NOTARY PUBLIC-ARIZONA
	MARICOPA COUNTY
	My Comm Expires April 15, 2004 7

Date: <u>2/18/02</u>

Notary Public

By: (SUSing

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RECORDED: 02/28/2002

IGNATIUS S.T. TSONG

	101/A1105 5.1. 150NG
STATE OF HELDER	,
COUNTY OF Manuaga)	
IGNATIUS S.T. TSONG, known to me to be the per	ron mentioned in and who executed the foregoing assignment, ame as his free act and deed for the use and purposes therein
OFFICIAL SEAL PATRICIA A. CEDERBERG NOTARY PUBLIC-ARIZONA MARICOPA COUNTY My Comm. Expires April 19, 2004	Notary Public
Date: $2/8/62$	By: Packe Pouckes RADEK ROUCKA
STATE OF Doma)	
STATE OF	
BE IT KNOWN, that on this day of ROUCKA, known to me to be the person mention acknowledged to me that he executed the same as his	ned in and who executed the foregoing assignment, and he free act and deed for the use and purposes therein mentioned.
PATRICIA A. CEDERBERG NOTARY PUBLIC-ARIZONA MARICOPA COUNTY My Comm. Expires Agril 19, 2064	Notary Public
Date: $2/8/02$	By: JOHN TOLLE
STATE OF PORCE)	
STATE OF	
TULLE, known to me to be the person mentioned	ed in and who executed the foregoing assignment, and he free act and deed for the use and purposes therein mentioned.
OFFICIAL SEAL PATRICIA A. CEDERBERG NO LABY PUBLIC-ARIZONA MARKICPA SOUNT My Cornel Copies (pri 19-2004)	Notary Public

PATENT REEL: 012702 FRAME: 0406