	04-26-20	000	FILE NO. A32955-P	CT-USA-A-065838.015						
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To the Honorable Commissioner of	Pater 1013339	20	ed original documents or	copy thereof.						
 Name of conveying party(ies): McCullough, Kevin Barry Monk, 4 - 3 -() Additional name(s) of conveying party 	Christopher David y Ray, Alan Stanley Victor () ing party(ies) attached?	2. Nan Add 3 — City Add	ne and address of receiving pa ne::::::::::::::::::::::::::::::::::::	rty(ies) e Graphics LLC						
[] Security Agreement [] Other Execution Date:Marcl										
4. Application number(s) or pate										
If this document is being filed toget		ecution dat	e of the application is							
A. Patent Application No.(s) 09/503,095		1	ent No.(s)							
5. Name and address of party to	Additional numbers attached?		[] Yes [X] No al number of applications and	patents involved: 1						
concerning document should b	be mailed:	ļ								
Name: <u>Louis S. Sor</u>	ell	. 7. Tot	al fee (37 CFR 3.41):	\$ <u>40.00</u>						
BAKER BOTTS L.L.P.		[X]	Enclosed Authorized to be charged to de	eposit account						
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To the best of my knowledge a original document. Louis S. Sorell	nd belief, the foregoing instrume	ntation is tru	e and correct and apy uttache	ed copy is a true copy of the March 29, 2000						
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10. Name of conveying party(ies): John David Riches, Anthony Paul Kitson and Richard David Hoare	n, Gareth Rhodri Parsons, David Stephen Riley, I	Peter Andrew Reath Ber
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11. Application number(s) or registration num	ber(s):	
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ASSIGNMENT

WHEREAS, WE, YONG-HANG ZHANG, SHANE JOHNSON, PHILIP DOWD and CHANG-ZHI GUO, whose post office addresses are: 7259 E. Cortez St., Scottsdale, Arizona, 85260, 742 E. Kesler Lane, Chandler, Arizona, 85225, c/o School of Electrical and Electronic Engineering, Nanyang Technological University, South Spine, Block S2, Nanyang Avenue, Singapore 639798, 1424 S. Jentilly Lane #207, Tempe, Arizona, 85281, respectively, have made an invention and made provisional patent application Serial No. 60/162,813 for Letters Patent of the United States entitled "LONG WAVELENGTH GAAS BASED PSEUDOMORPHIC INGAPASSB TYPE-I ACTIVE MATERIALS" filed November 1, 1999; and

WHEREAS, Arizona Board of Regents, a body corporate, acting for and on behalf of the Arizona State University, a corporation organized and existing under the laws of the State of Arizona, and having an office for the transaction of business at Arizona State University, Tempe, AZ 85287-6006, is desirous of acquiring the entire right, title and interest in and to said invention and any improvements thereon, and in and to the said provisional application for Letters Patent therefor, any non-provisional patent application for Letters Patent therefor, and any Letters Patent which may be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN. that WE, the said YONG-HANG ZHANG, SHANE JOHNSON, PHILIP DOWD and CHANG-ZHI GUO, for and in consideration of the sum of One Dollar (\$1.00), lawful money of the United States, to us in hand paid by said Arizona Board of Regents, a body corporate, acting for and on behalf of the Arizona State University, and other valuable considerations unto us moving from said Arizona Board of Regents, a body corporate, acting for and on behalf of the Arizona State University, at or before the ensealing and delivery of these presents, the receipt of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said Arizona Board of Regents, a body corporate, acting for and on behalf of the Arizona State University, its successors and assigns, the entire right, title and interest in and to the said invention for which we are about to make provisional application Serial No. 60/162,813 for Letters Patent of the United States entitled "LONG WAVELENGTH GaAs BASED PSEUDOMORPHIC InGaPAsSb TYPE-I ACTIVE MATERIALS" filed November 1, 1999, and any and all improvements thereon, and in and to said provisional application, any non-provisional patent application, and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

NY02:232493.1

-1-

AND WE, the said YONG-HANG ZHANG, SHANE JOHNSON, PHILIP DOWD and CHANG-ZHI GUO, do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said Arizona Board of Regents, a body corporate, acting for and on behalf of the Arizona State University, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said Arizona Board of Regents, a body corporate, acting for and on behalf of the Arizona State University, its successors and assigns;

AND WE, the said YONG-HANG ZHANG, SHANE JOHNSON, PHILIP DOWD and CHANG-ZHI GUO, for the considerations aforesaid, do hereby covenant and agree to and with said Arizona Board of Regents, a body corporate, acting for and on behalf of the Arizona State University, its successors and assigns, that we have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that we, our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said Arizona Board of Regents, a body corporate, acting for and on behalf of the Arizona State University, its successors and assigns, may be required or necessary more effectively to secure to and vest in said Arizona Board of Regents, a body corporate, acting for and on behalf of the Arizona State University, its successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

IN WITNESS WHEREOF, WE, the said YONG-HANG ZHANG, SHANE JOHNSON. PHILIP DOWD and CHANG-ZHI GUO, have hereunto set our hands and seals on the date below written.

NY02:232493.1

-2-

YONG-HANG ZHANG

STATE OF Arinona) : ss.: COUNTY OF Maricope

BE IT KNOWN, that on this <u>23</u> day of <u>March</u>, 2000, before me personally came YONG-HANG ZHANG, to me known and 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.

Notary My Commission Expires April 19, 2000 Public

HANE JOHNSON

STATE OF Arizona) COUNTY OF Manicopa)

BE IT KNOWN, that on this <u>21</u> day of <u>Arch</u>, 2000, before me personally came SHANE JOHNSON, to me known and 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.

Liv Completion Fights April 19, 2000

NY02:232493.1

-3-

PHILIP DOWD

Witness: <u>Cao Changa</u> (Type Name) Prof. Cao Changqi, Dept. of Physics, Peking U., 100871 Witness: <u>Chen Cherijia</u> (Type Name) Prof. Ci Chanjia Det of Physics Peking U. 100871 Prof. Chen Chenjia, Dept. of Physics, Peking U., 100871

Chang Ili Goo

STATE OF China) COUNTY OF Beijing)

BE IT KNOWN, that on this 22 day of March , 2000, before me personally came CHANG-ZHI GUO, to me known and 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.

Notary Public

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-4-

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Antig Bod
PHILIP DOWD
Witness: KANTISARA RITA JULI
Witness: X.C. YWAN (Type Name)

CHANG-ZHI GUO

STATE OF)
	: ss.:
COUNTY OF)

BE IT KNOWN, that on this _____ day of ______, 2000, before me personally came CHANG-ZHI GUO, to me known and 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.

Notary Public

NY02:232493.1

-4-

RECORDED: 04/03/2000