	ket No.: 7616/44
(Rev. 6-93) OMB No. 0651-0011 (exp.4/94) Copyright 1994-97 LegalStar P08/REV02 MAR 2 2 2001	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commission of Patents and Tragemarks:	1652932 ▼ ▼ Please record the attached original documents or copy thereof.
1. Name of conveying party(les): Stephen Forrest Milind R. Gokhale Hongsheng Wang	Name and address of receiving party(ies): Name: The Trustees of Princeton University Internal Address: Princeton University
Additional names(s) of conveying party(ies)	
3. Nature of conveyance:	
■ Assignment	Street Address: P.O. Box 36
☐ Security Agreement ☐ Change of Name	
Other	City: Princeton State: NJ ZIP: 08544
Execution Date: 2/1/01, 2/13/01, 2/12/01	Additional name(s) & address(es) attached?
A. Patent Application No.(s) (9/750,195 Additional numbers attace	B. Patent No.(s) hed? □ Yes ☑ No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Michael R. Friscia	7. Total fee (37 CFR 3.41):\$ 40.00
Internal Address: Wolff & Samson	Enclosed - Any excess or insufficiency should be credited or debited to deposit account
	☐ Authorized to be charged to deposit account
Street Address: 5 Becker Farm Road City: Roseland State: NJ ZIP: 07068	8. Deposit account number: 06-2143
03/29/2001 DRYRHE 00000068 09750195 DO NOT U	JSE THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing information of the original document. Michael R. Friscia	ation is true and correct and any attached copy is a true copy 3 20 0
Name of Person Signing	Signature Date
Total number of pages including cover sh	eet, attachments, and document:

PATENT REEL: 011617 FRAME: 0668

Assignment of Argues, Title and Interest in Invention		Docket No.	
(Multiple inventors; single assignee)		7616/44	
This is an Assignment of the following rights, title and interest: (check all that apply):			
This is an Assignment of the following rights, title and interest: (check all that apply): WAR 2 United States of America rights, title and interest in the invention			
*/			
United States Patent Application Serial No. 09/750,195			
Date of Execution: Date of Filing: 12/28/00			
United States Provisional Patent Application Serial No.			
United States Patent No(s).			
☐ International (PCT) Patent Application Serial No.			
Other (specify)			
Title of the Invention			
	ook wing Comp		
Long-Wavelength VCSELS and Method of Manufa	acturing Same		
Inventors (assignors)			
Name	Address		
Stephen Forrest	148 Hunt Street, Princeton, NJ 08540		
Milind R. Gokhale	263 South Harrison Street, Apt. #2, Prince	eton, NJ 08540	
Hongsheng Wang	223C King Street, Princeton, NJ 08540	,	
ssignee			
Name	Address		
The Trustees of Princeton University	Princeton University P.O. Box 36 Princeton, NJ 08544-0036		
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AS03A/REV01

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Docket No. 7616/44

MAR ?

Whereas, we the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name	Signature/Date
Stephen Forrest	
Milind R. Gokhale	
Hongsheng Wang	

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Docket No. 7616/44

(Although notarization is not necessary, it will be considered	Notarization prima facie evidence of execution pursuant to 35 U.S.C. 261.)
Executed this ist day of February	, in the year 200/ × Stephen (Signature of Inventor)
County of Kercer	
Before me personally appeared Stephen Forrest who acknowledged the foregoing instrument to be a fi execute the same this 15 day of February JOSEPH X. MONTEMARIA NOTARY PUBLIC OF NEW JERSEY My Commission Expires Nov. 3, 200 S	free act and deed and also represented that he or she is authorized to , in the year (Noiafy Pablic)
Executed this 13th day of february	1, in the real 2001 Mobile lea (Signature of Inventor)
State of New Jersey County of Mercer	
Before me personally appeared Millind R. Gokhale who acknowledged the foregoing instrument to be a fexecute the same this 13 day of Fobru NOTARY PUBLIC OF NEW JERSEY My Commission Expires Nov. 3, 200	
Executed this 12th day of February as	in the year 200 / Jang World (Signature of Inventor)
County of Mercan	
Before me personally appeared Hongsheng Wang who acknowledged the foregoing instrument to be a fexecute the same this /1 had any of Fibral.	free act and deed and also represented that he or she is authorized to γ , in the year $\mathcal{Y}_{v'}$
JOSEPH X. MONTEMARANO NOTARY PUBLIC OF NEW JERSEY My Commission Expires Nov. 3, 200 5	Modary Public)

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PATENT REEL: 011617 FRAME: 0671

RECORDED: 03/22/2001