OMB No. 0651-0011 (exp. 4/94)	23 - 2000 EET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
	439293 ad original documents or copy thereof.			
1. Name of conveying party(ies): 1.QUE, Long 2. WITJAKSONO, Gunawan 3. GIANCHANDANI, Yogesh B. Additional name(s) of conveying party(ies) attached? Yes X No	Name and address of receiving party(ies) Name: Wisconsin Alumni Research Foundation Internal Address:			
3. Nature of conveyance:				
	Street Address: 614 Walnut Street?			
☐ Security Agreement ☐ Change of Name				
□ Other	City: Madison State: WI ZIP:53705			
Execution Date: 1-3) -7-13-00	Additional name(s) & address(es) attached? □ Yes 🖔 No			
If this document is being filed together with a new application A. Patent Application No.(s) 09/535312 Filed: 03-24-00	n, the execution date of the application is: B. Patent No.(s)			
· ·	tached? □ Yes ૐ No			
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1			
Name: Wisconsin Alumni Research Foundation Internal Address:	7. Total fee (37 CFR 3.41)\$ 40.00			
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the original document. Kathy Hanneman Name of Person Signing	Signature Sover sheet, attachments, and document: Attached copy is a true copy of 7-24-00 Date			

ASSIGNMENT (Joint Inventors)

I am one of the persons identified as an inventor and who has contributed to a certain new and useful invention (the "Invention"), as set forth in an application for United States Letters Patent, bearing substantially the following title and bearing the following serial number. The application was executed by me, and it was filed on the indicated date:

Title: MICROMECHANICAL PHASE-SHIFTING GATE OPTICAL MODULATOR

Serial Number: 09/535312 Date Filed: 3-24-2000

The assignee under this agreement is hereby authorized to insert the filing date and serial number referred to above, when ascertained.

For good and valuable consideration, I do hereby sell, assign, and transfer to the Wisconsin Alumni Research Foundation (hereinafter "WARF") a non-stock, non-profit Wisconsin corporation, and to its legal representatives, successors, and assigns, my entire right, title and interest in and to the Invention and to all United States and foreign patent applications any of whose claims cover all or part of the Invention, together with all patents resulting from such applications. WARF shall hold such right, title, and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I agree, upon WARF's request, to execute or assent to such United States and foreign patent applications and to execute all separate assignments and other legal documents that WARF may find necessary or desirable in its exercise of the right, title, and interest assigned above. I also agree to communicate to WARF any facts relating to the Invention or to any of the patent applications or patents contemplated above that may be useful to WARF and to testify as to such facts in any interferences or in litigation, if requested to do so. I shall do all these things without additional compensation but at no expense to me.

I hereby request the Commissioner of Patents to issue to WARF, as the owner of my entire right, title, and interest therein, any Letters Patent of the United States that may be issued for the Invention.

Ref: P00161US

Wisconsin Alumni Research Foundation

App.#: 09/535312	, Filed: 3-24-2000		
Long Que 201 Eagle	Heights, Apt. E WI 53705		Date: <u>07/13/00</u>
State of Wisconsin)ss.)		
			ne personally appeared Long Que, tor," who executed the above the same for the uses and purposes
SEAL	Notary Public	nun	

My Commission expires: WV. 10,2002

ASSIGNMENT

Ref: P00161US

Wisconsin Alumni Research Foundation

Ref: P00161US	
App.#: 09/535312, Filed: 3-24-2000	
Gunawan Witjaksono 708 Eagle Heights, Apt. G Madison, WI 53705	Date: 07/13/03
State of Wisconsin))ss. County of Dane)	
Witjaksono, known to me to be the per	, 2000 before me personally appeared Gunawan rson identified above as the "Inventor," who executed the me that he or she executed the same for the uses and
SEAL <u>Dolor</u> Notary Public	n köchen

My Commission expires: Www.io, 2002

ASSIGNMENT

Wisconsin Alumni Research Foundation

App.#: 09/535312, F	filed: 3-24-2000			
Inventor: Yogesh B. G 430 Cherry H Madison, W	ianchandani Iill Drive		Date: _	7-13-00
State of Wisconsin County of Dane))ss.)			
Gianchandani, know	n to me to be the per t and acknowledged	, 2000 before me person identified above as to me that he or she executed	the "Inven	tor," who executed
SEAL	<u>Debra</u> K Notary Public	Ahien		
	My Commission e	expires: <u>WOU 10</u> ,	3002	

ASSIGNMENT

Ref: P00161US

Wisconsin Alumni Research Foundation

RECORDED: 07/27/2000