

P00161US

and original documents or copy thereof.

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Additional numbers attached? ☐ Yes ☒ No

(Attach duplicate copy of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

Total number of pages including cover sheet, attachments, and document:

REEL: 011009 FRAME: 0193

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

ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P00161US

App.#: 09/535312, Filed: 3-24-2000

Inventor: Long Que

Date: 07/13/00

Long Que  
201 Eagle Heights, Apt. E  
Madison, WI 53705

State of Wisconsin     )  
                                  )ss.  
County of Dane         )

On this 13 day of July, 2000 before me personally appeared Long Que,  
known to me to be the person identified above as the "Inventor," who executed the above  
instrument and acknowledged to me that he or she executed the same for the uses and purposes  
therein set forth.

SEAL                   Debra K. Johnson  
Notary Public

My Commission expires: Nov. 10, 2002

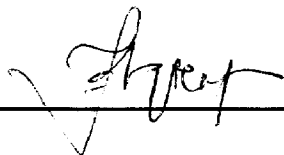
ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P00161US

App.#: 09/535312, Filed: 3-24-2000

Inventor: \_\_\_\_\_



Date: \_\_\_\_\_

07/13/00

Gunawan Witjaksono  
708 Eagle Heights, Apt. G  
Madison, WI 53705

State of Wisconsin     )  
                                      )ss.  
County of Dane         )

On this 13 day of July, 2000 before me personally appeared Gunawan Witjaksono, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Debra Kochess  
Notary Public

My Commission expires: Nov. 10, 2002

ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P00161US

App.#: 09/535312, Filed: 3-24-2000

Inventor: *Yogesh B. Gianchandani*

Date: 7-13-00

Yogesh B. Gianchandani  
430 Cherry Hill Drive  
Madison, WI 53717

State of Wisconsin    )  
                                  )ss.  
County of Dane        )

On this 13 day of July, 2000 before me personally appeared Yogesh B. Gianchandani, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL                   *Debra K. Schies*  
Notary Public

My Commission expires: Nov. 10, 2002