

07-14-2004

FORM PTO-1595

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U.S. DEPARTMENT OF COMMERCE

1-31-92

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Patent and Trademark Office

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To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**The Regents of the University of California**  
**1111 Franklin St., Twelfth Floor**  
**Oakland, CA 94607-5200**

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: November 24, 2003

2. Name and address of receiving party(ies):

**Name: The Regents of the University of California**  
**1111 Franklin St., Twelfth Floor**  
**Oakland, CA 94607-5200**

**Name: The Board of Trustees Of The Leland**  
**Stanford Junior University**  
**1705 El Camino Real**  
**Palo, Alto, CA 94306**

Additional name(s) &amp; address(es) attached?

☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):

B. Patent No.(s): 6,643,053

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

**Name: A. Richard Park**  
**Park, Vaughan & Fleming LLP**  
**508 Second Street, Suite 201**  
**Davis, CA 95616**

Attorney Docket No.: UC01-486-1

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41) ..... \$40.00  
☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number:

**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.*

A. Richard Park  
Name of Person Signing

Signature

July 7, 2004  
Date

Total number of pages including cover sheet, attachments and document: [2]

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## ASSIGNMENT

WHEREAS, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, Twelfth Floor, Oakland, CA 94607-5200 (hereinafter "ASSIGNOR"), is the assignee of the invention **PIECEWISE LINEAR SPATIAL PHASE MODULATOR USING DUAL-MODE MICROMIRROR ARRAYS FOR TEMPORAL AND DIFFRACTIVE FOURIER OPTICS** for which we have executed an application for a Patent of the United States

- ☐ which is executed on even date herewith
- ☐ which is identified by A. Richard Park, Reg. No. 41,241 attorney docket no. UC01-486-1
- ☒ which was filed on February 20, 2002, Application No. 10/079,088 and issued as U.S. Patent No. 6,643,053 on November 4, 2003

and WHEREAS, The Regents of the University of California and The Board Of Trustees Of The Leland Stanford Junior University (hereinafter "JOINT ASSIGNEES") desire to obtain the entire right, title and interest in, to and under the said invention, said application and said issued patent.

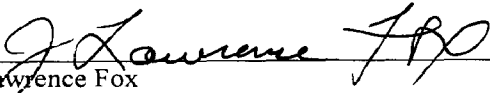
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, has sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over, unto the said JOINT ASSIGNEES, its successors, legal representatives and assigns, ASSIGNOR'S entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND ASSIGNOR HEREBY authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said JOINT ASSIGNEES, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that ASSIGNOR has full right to convey the entire interest herein assigned, and that ASSIGNOR has not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNOR HEREBY further covenants and agrees that ASSIGNOR will communicate to said JOINT ASSIGNEES, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said JOINT ASSIGNEES, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Date 24 November, 2003

  
J. Lawrence Fox  
Director, Technology Transfer Center  
Representing the Regents of the University of California