

11-10-2005



103116720

Attorney Docket No. 03180.0417
Attorney Customer Number: 22,852

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Kazuya FUKUHARA

2. Name and address of receiving party(ies)

Name: KABUSHIKI KAISHA TOSHIBA

Internal Address:

Street Address: 1-1, Shibaura 1-chome, Minato-ku

City: Tokyo

State:

Country: JAPAN Zip:

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) October 20, 2005

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

4. Application or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s)

11/208,557

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Mr. Ernest F. Chapman

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6. Total number of applications and patents involved:

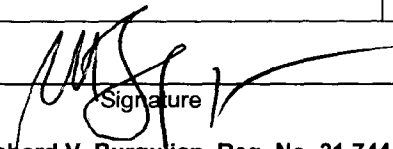
7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

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- a. Credit Card Last 4 Numbers _____
Expiration Date _____
- b. Deposit Account Number 06-0916
Authorized User Name _____

9. Signature:



Signature
Richard V. Burgulian, Reg. No. 31,744
Name of Person Signing

November 7, 2005
Date

Total number of pages including cover sheet, attachments, and documents

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

11/09/2005 ECDOOPER 00000122 11208557

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ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled: METHOD FOR DESIGNING AN ILLUMINATION LIGHT SOURCE, METHOD FOR DESIGNING A MASK PATTERN, METHOD FOR MANUFACTURING A PHOTOMASK, METHOD FOR MANUFACTURING A SEMICONDUCTOR DEVICE AND A COMPUTER PROGRAM PRODUCT

for which I/WE executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on August 23, 2005 (Application No. 11/208,557); and

WHEREAS, KABUSHIKI KAISHA TOSHIBA
a corporation of Japan

whose post office address is 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. , filed) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Kazuya FUKUHARA	ASSIGNOR'S SIGNATURE <i>Kazuya Fukuhara</i>	DATE Oct 20, 2005
ADDRESS c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan		CITIZENSHIP Japan
2. FULL NAME OF SECOND ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP
3. FULL NAME OF THIRD ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP