FORM PTO-1595 09-18-2006 HEET **U.S.** Department of Commerce 1-31-92 Patent and Trademark Office Attorney Docket No. 04329.3917 Attorney Customer Number: 22,852 To the Honorable Commission ATTN. BOX ASSIGNMENTS RECORDATION Please record the attached original documents the capy thereon. **SERVICES** Name of conveying party(ies): 2. Name and address of receiving party(ies): 1) Yukiyasu ARISAWA SEP 13 2006 Name: KABUSHIKI KAISHA TOSHIBA 2) Tadahito FUJISAWA 3) Shoji MIMOTOGI Additional name(s) of conveying party(ies) attached Internal Address: 3. Nature of conveyance: Street Address: 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan \boxtimes Assignment City: Merger Security Change of Name State: Zip Code: Agreement Other: Additional name(s) & Address(es) attached? **Execution Date:** 1) July 5, 2006 ☐ Yes ⊠ No 2) July 5, 2006 3) July 11, 2006 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: A. Patent Application Number(s): 11/475,075 В. Patent Number(s): ☐ Yes Additional numbers attached? ☑ No 5. Name and address of party to whom correspondence Total number of applications and registrations concerning document should be mailed: involved: 1 Name: Mr. Ernest F. Chapman 6. Total fee (37 CFR 3.41): \$40 \boxtimes Enclosed (Please charge deficiency to deposit account) Authorized to be charged to deposit account Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. Street Address: 901 New York Avenue, N.W. City: Washington, D.C. State: Zip: 20001-4413 7. Deposit Account No.: 06-0916 8. 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. Richard V. Burgujian September 13, 2006 Reg. No. 31,744 Date Total number of pages including cover sheet, attamments and documents: 3

09/15/2006 DBYRNE 00000150 11475075 01 FC:8021

PATENT REEL: 018302 FRAME: 0655

ASSIGNMENT

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

PHOTOMASK QUALITY ESTIMATION SYSTEM AND METHOD FOR USE IN MANUFACTURING OF SEMICONDUCTOR DEVICE, AND METHOD FOR MANUFACTURING THE SEMICODUCTOR DEVICE

sell and assign to KABUSHIKI KAISHA TOSHIBA a Japanese corporation, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one)	[X]	executed concurrently herewith		
		executed on	;	
	L	Application No.	, filed	

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

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PATENT REEL: 018302 FRAME: 0656

ASSIGNMENT

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REEL: 018302 FRAME: 0657

RECORDED: 09/13/2006