· · ·	1€95 (Rev. 07/05) o. 0651-0027 o/30/2008)			2006 	F	J.S. Department of C Patent and Trademark Attorney Docket No. 0 Attorney Customer No	COffice 04329.3698
To the Directo	or of the U.S. Patents and T	rademar	s 103178	498	ents or	copy thereof.	
1. \	ne of conveying parties: Yuriko SEINO Yasuhiko SATO	17	FEB 0 8 2006	2. Name:		ress of receiving party:	
3. Y	asunobu ONISHI	10	LEB 0 0 2	T varie.	NABOSHIN	TRAISHA TOSHIBA	
Additional nan	ne(s) of conveying party(ies	s) attache	ed? Yes Yes TRACE	Internal A		-1, SHIBAURA 1-CHC OKYO 105-8001, JAP	
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⊠ A	ssignment		Merger	City:			
□ s	Security Agreement		Change of Name	State:		Zip Code:	
J	oint Research Agreement						
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	executive Order 9424, Conf	irmatory	License	Additiona	• •	dress(es) attached?	
	Other				☐ Yes	⊠ No	
4. Ap r	olication number(s) or pa	tent num	ber(s):	ocument is be	eing filed togethe	er with a new application	on.
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5. Name doc Name: Mr Internal Addres Street Addres City: State: 8. Sta	me and address of to who cument should be mailed: r. Ernest F. Chapman ess: FINNEGAN, HEN DUNNER, L.L.P. ss: 901 New York Av Washington, D.C. Zip: tement and signature.	DERSON	spondence concerning N, FARABOW, GARRETT &	6. 7. 8. Pay mo	Total number Involved: 1 Total fee (37 0 Authorized to be Authorized to be Enclosed (Plea None required ent Information a. Credit Card b. Deposit According Authorized	cer 3.41): \$40 be charged by credit calce charged to deposit a see charge deficiency to the comment interest research to the comment interest respiration Date _ count No.:	ard account to deposit accoun not affecting title) 06-0916 inal document.

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, PO box 1450, Alexandria, VA 22313-1450

Total number of pages including cover sheet, attachments and documents: 3

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:

PATTERN FORMING METHOD, UNDERLAYER FILM FORMING COMPOSITION, AND METHOD OF MANUFACTURING SEMICONDUCTOR 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	;			
	[]	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.

Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., 901 New York Avenue, NW Washington, D.C. 20001-4413

PATENT REEL: 017550 FRAME: 0808

ASSIGNMENT

APG040665-USA-A (05S1555)

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RECORDED: 02/08/2006

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