FORM PTO-1595 1-31-92	05-19-2005		U.S. Department of Commerce Patent and Trademark Office Attorney Docket No. 04329.3488 Attorney Customer Number: 22,852
To the Honorable Commissioner of Pa Please record the attached original do	103005821		ATTN. BOX ASSIGNMENTS RECORDATION SERVICES
Name of conveying party(ies): Name of conveying party(ies): Name of conveying party(ies): Name of conveying party(ies):	, (C)	2.	Name and address of receiving party(ies):
1) Hiroko NAKAMURA 2) Toshiya KOTANI 3) Satoshi TANAKA 4) Shoji MIMOTOGI	6 2005	Name:	KABUSHIKI KAISHA TOSHIBA
Additional name(s) of conveying party(ies) atta	iched? ☐ Yes ⊠ No	Internal	Il Address:
3. Nature of conveyance:		Street A	Address: 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan
Assignment		City:	
Security Change	of Name	State:	Zip Code:
Other:		Addition	nal name(s) & Address(es) attached?
Execution Date: 1) March 2, 2005 2) March 7, 2005 3) March 7, 2005 4) March 7, 2005			☐ Yes
	per(s): If this document is b	eing filed t	together with a new application, the execution date of
A. Patent Application Number(s):		В.	Patent Number(s):
11/061,599			
Addition	nal numbers attached?	Yes	⊠ No
Name and address of party to whom concerning document should be mail		6.	Total number of applications and registrations involved:
Name: Mr. Ernest F. Chapman		7.	Total fee (37 CFR 3.41): \$40
		\boxtimes	Enclosed (Please charge deficiency to deposit account)
			Authorized to be charged to deposit account
& DUNNER, L.L.P.	N, FARABOW, GARRETT		
Street Address: 901 New York Avenue, N	.v		
City: Washington, D.C.	20001 4412	8.	Denocit Account No : 06 0016
State: Zip:	20001-4413	0.	Deposit Account No.: 06-0916
9. Statement and signature. To the best of my knowledge and belief, the followment.	pregoing information is true	and corre	ect and any attached copy is a true copy of the original
Richard V. Burgujian Reg. No. 31,744	Sign ges including cover sheet, a	ature)	May 16, 2005 Date nts and documents: 3

05/18/2005 ECOOPER 00000172 11061599 00.00 0P

PATENT

REEL: 016566 FRAME: 0962

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:

MASK PATTERN DATA PRODUCING METHOD, PATTERNING METHOD, RETICLE CORRECTING METHOD, RETICLE MANUFACTURING METHOD AND SEMICONDUCTOR APPARATUS MANUFACTURING METHOD

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: 016566 FRAME: 0963

ASSIGNMENT

APG039008-USA-A (04S2015)

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RECORDED: 05/16/2005

PATENT REEL: 016566 FRAME: 0964