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3 2005			FLH Ref. No.: 790001-2022		
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(Rev. 6-93)	10236	8762	Patent and Trademark Office		
To the Honorable Commissioner of	f Patents and Trademarks:	Please record the attach	ed original documents or copy thereof.		
1. Name of conveying party(ies)	0 12 07	2. Name and addr	ess of receiving party(ies)		
Toru TANZAWA, Shigeru ATSUMI	2.13.03	Name:	Kabushiki Kaisha Toshiba		
Additional name(s) of conveying party(ies) attac Yes X No	ched?	Internal Address:			
3. Nature of conveyance:		Street Address:	1-1 Shibaura 1-chome Minato-Ku		
Assignment Security Agreement		City:	Tokyo		
Merger		Country:	Japan		
Change of Name			-		
Execution Date: January 7, 2003		Additional name(s) &	address(es) attached? 🗌 Yes 🛛 No		
4. Application number(s) or patent number(s):	······································	<u></u>	,		
	filed together with a new	application the executi	on date of the application is:		
A. Pate	nt Application No. 10/23	5,170 B. Patent	No.(s)		
Additional numbers attached? 🔲 Yes 🖾 No					
5. Name and address of party to whom corresponde	nce concerning	6. Total number o	f applications and patents involved1		
document should be mailed:		7. Total fee (37 Cl	FR 3.41)\$ 40.00		
Name: Grace L. Pan, Esq.		Enclose			
Internal Address: Frommer Lawrence & Haug	LLP		zed to be charged to deposit account #50-0320		
		8. Deposit account	t number: 50-0320		
Street Address: 745 Fifth Avenue			te copy of this page if paying by deposit account)		
City: New York State: New York	Zip: 10151				
Do not use this space					
9. <u>Statement and signature</u> 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.					
Grace L. Pan	Care	e A	February 7, 2003		
Name of Person Signing	Sign	ature	Total number of pages including cover sheet, attachments, and document): 3		
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Reduction Project (0651-0011), Washington, D.C. 205	estimated to average abou ing and reviewing the sam ystems, PK2-1000C, Wasl	ple cover sheet. Send c			
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ASSIGNMENT

In consideration of value received, I, having a mailing address at c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome. Minato-ku, Tokyo 105-8001, Japan and a residence as stated below next to 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:

NONVOLATILE SEMICONDUCTOR MEMORY WITH A PAGE MODE

said application having been filed on September 5, 2002
and assigned Application No. 10/235,170 ;
sell and assign to
KABUSHIKI KAISHA TOSHIBA
a corporation of Japan, having a business address at
1-1 Shibaura 1-chome, Minato-Ku, Tokyo, 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 application for United States patent: (check one)

 \times executed concurrently herewith;

executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions 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 proceeding, sign all lawful papers, execute all divisional, continuing, 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 invension in all countries.

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.

Frommer Lawrence & Haug LLP, 745 Fifth Avenue. New York. NY 10151

J

ASSIGNMENT

Inventor: (Signature)	Date	Residence
Ach Daign Toru Tanzawa	JAN 7. 2003	Ebina-shi, Japan
Shigern Attumi Shigeru Atsumi	JAN 7. 2003	Yokohama-shi, Japan
	-	

RECORDING OFFICER: After recording please return to: Frommer Lawrence & Haug LLP

745 Fifth Avenue New York, New York 10151

> PATENT REEL: 013756 FRAME: 0941

RECORDED: 02/13/2003