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(Rev. 6-93)	Patent and Trademark Office		
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies)  Toru TANZAWA, Shigeru ATSUMI, Akira UMEZAWA,  Tadayuki TAURA, Hitoshi SHIGA, Yoshinori TAKANO  Additional name(s) of conveying party(ies) attached?	2. Name and address of receiving party(ies)  Name: Kabushiki Kaisha Toshiba  Internal Address:		
Yes No  3. Nature of conveyance:  ☐ Assignment ☐ Security Agreement ☐ Merger ☐ Change of Name ☐' Other  Execution Date: January 7, 2003	Street Address:  1-1 Shibaura 1-chome Minato-Ku  City:  Tokyo  Country:  Japan  Additional name(s) & address(cs) attached?  Yes  No		
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 is:			
A. Patent Application No. 10/233,133  B. Patent No.(s)			
Additional numbers attached?   Yes   No			
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Grace L. Pan, Esq. Internal Address: Frommer Lawrence & Haug LLP  Street Address: 745 Fifth Avenue  City: New York State: New York Zip: 10151	6. Total number of applications and patents involved		
Do not use this space			
9. 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.  Grace L. Pan  February 3, 2003			
Name of Person Signing Sign	Total number of pages including cover sheet, attachments, and document): 3		
Do not detach this portion  Mail documents to be recorded with required cover sheet information to:  2/14/2003 6TON11 00000102 10233133  Commissioner of Patents and Trademarks  Box Assignments  Washington, D.C. 20231			
Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.			

## 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 HAVING PAGE MODE WITH A PLURALITY OF BANKS

said application having been filed on August 30, 2002 and assigned Application No. 10/233,133; 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 "Assignce", 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, contin uations, 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

PATENT REEL: 013753 FRAME; 0166

## ASSIGNMENT

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RECORDING OFFICER:

After recording please return to: Frommer Lawrence & Haug LLP

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**RECORDED: 02/10/2003** 

PATENT REEL: 013753 FRAME: 0167