	OIPE
Atty Docket No.: 230481US2S FORM PTO-1595 1-31-92	Patent and Trademark Office
To the Honorable Commissioner of I	ached original documents or copy thereof.
1. Name of conveying party(ies): 102346307	Z. IName and address of receiving party(ies):
Toru TANZAWA and Akira UMEZAWA \.\.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Name: KABUSHIKI KAISHA TOSHIBA Address: 1-1 Shibaura 1-chome, Minato-Ku, Tokyo, Japan 105-8001
Additional name(s) of conveying party(ies) attached? Yes No	
3. Nature of Conveyance: ■ Assignment	
Execution Date: November 27, 2002	Additional name(s) and address(es) attached? □Yes ■No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, the ex	secution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
10/291,700	
Additional numbers attached	ed? ☐ Yes ■ No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1
22850	7. Total fee (37 CFR 3.41): \$40.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)
DO NOT USE TH	IIS SPACE
9. Statement and signature To the best of my knowledge and belief, the foregoing information copy of the original document. Marvin J. Spivak Name of Person Signing Surinder Sac	John Jan. 17 2003
Registration Number: 24,913 Registration No. 3	
Total number of pages including	this cover sheet: 3
Do not detach the Mail documents to be recorded with required cover sheet information. Commissioner of Patents	ı to:
1/23/2003 DBYRNE 00000086 10291700 Box Assignment Washington, D. 40.00 OP	nents

PATENT REEL: 013675 FRAME: 0372

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 SEMICONDOUTOR MEMORY

said application having been filed on November 12, 2002 and assigned Application No. 10/291,700; 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)

- X 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.

Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202

> PATENT REEL: 013675 FRAME: 0373

ASSIGNMENT

Inventor: (Signature)	Date	Residence	
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61 4	NOV. 27.2002		
Okira Ungaren Akira Umezawa	- NOV. Z 1. ZUUZ	Tokyo, Japan	
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