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U.S. DEPARTMENT OF COMMERCE

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ORDATIO PATEI

To the Director of the United States Patent and Trademark O. .. ord the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Kikuko SUGIMAE Name: KABUSHIKI KAISHA TOSHIBA Satoshi TANAKA Address: 1-1, Shibaura 1-chome, Minato-ku, Koji HASHIMOTO Tokyo, Japan Masayuki ICHIGE Additional name(s) of conveying party(ies) attached?

Yes No 3. Nature of Conveyance: Assignment ☐ Merger ☐ Change of Name ☐ Security Agreement ☐ Other Execution Date: June 1, 1, 2, 1, 2005 Additional name(s) and address(es) attached?

Yes No 4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application A. Patent Application No.(s) B. Patent No.(s) 11/125,274 Additional numbers attached?

Yes No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 **Customer Number** Enclosed ☐ Authorized to be charged to deposit account Tel. (703) 413-3000 8. Deposit account number: 15-0030 Fax. (703) 413-2220 (Attach duplicate copy of this page if paying by deposit account) 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. Eckhard H. Kuesters Name of Person Signing Joseph Scafetta, Jr. Registration Number: 28,870 Registration No. 26,803 Total number of pages including this cover sheet: 3

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Assignment of Application

SERT NAMES	WHEREAS, I (WE) Kikuko SUGIMAE of Yokohama-shi, Kanagawa-ken, Japan;
D RESIDENCE DRESS OF E INVENTORS:	Satoshi TANAKA of Kawasaki-shi, Kanagawa-ken, Japan;
	Koji HASHIMOTO of Yokohama-shi, Kanagawa-ken, Japan;
	Masayuki ICHIGE of Yokohama-shi, Kanagawa-ken, Japan.
	, respectively
SERT TITLE OF VENTION:	have invented certain new and useful improvements in: SEMICONDUCTOR MEMORY
SERT DATE VENTORS SIGNED CLARATION:	For which an application for Letters Patent was executed on <u>June 1, 2005</u> , <u>June 2, 2005</u>
	(Application No. 11/125, 274 , filed May 10, 2005), and
SERT NAME	WHEREAS, KABUSHIKI KAISHA TOSHIBA
D ADDRESS OF MPANY OR	(hereinafter referred to as "ASSIGNEE") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo,

Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

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PATENT REEL: 016934 FRAME: 0895 Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	Ine, 1, 2005	Likako Suzimas
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Date:	June / 2005	Satahi Tanaka
		(Signature of Inventor) Satoshi TANAKA
Date:	Jun 2, 2005	Kyji. Habermite
	4	(Signature of Inventor) Koji HASHIMOTO
Date:	Inel, 2005	M. adire
		(Signature of Inventor) Masayuki ICHIGE
Date: _		
		(Signature of Inventor)
Date:		
_		(Signature of Inventor)

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