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103164781 To the Director of the United States Parameter le attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Nobutoshi AOKI KABUSHIKI KAISHA TOSHIBA Koichi KATO Address: 1-1, Shibaura 1-Chome, Minato-ku, Tokyo, Katsuyuki SEKINE **JAPAN** Ichiro MIZUSHIMA Additional name(s) of conveying party(ies) attached?

Yes No 3. Nature of Conveyance: ☐ Merger Assignment ☐ Change of Name ☐ Security Agreement ☐ Other Execution Date: November 21, 2005, November 25, Additional name(s) and address(es) attached? 🔲 Yes 📕 No 2005, November 21, 2005 and November 24, 2005 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) 11/250,439 Additional numbers attached?

Yes No. 5. Name and address of party to whom correspondence 6. Total applications and patents involved: One 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. Frederick D. Vastine Name of Person Signing Registration Number: 27,013 Total number of pages including this cover sheet: 3 Do not detach this portion Mail documents to be recorded with required cover sheet information to: Director of the United States Patent and Trademark Office Mail Stop Assignment Recordation Services Alexandria, Virginia. 22313

> PATENT REEL: 017482 FRAME: 0405

Assignment of Application

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WHEREAS, I (WE) Nobutoshi AOKI, 302, Moa-Hiyoshi, 29-10, Hiyoshi-Hon-Cho 3-Chome, Kohoku-Ku,
Yokohama-Shi, Kanagawa-Ken, Japan;
Koichi KATO, 1011, Court-House-Kikuna, 1101-7, Matsumi-Cho 4-Chome, Kanagawa-Ku,
Yokohama-Shi, Kanagawa-Ken, Japan;
Katsuyuki SEKINE, 101, Riverside-Heights, 16-3, Hino-Chuo 3-Chome, Konan-Ku,
Yokohama-Shi, Kanagawa-Ken, Japan; and
Ichiro MIZUSHIMA, 20-1-307, Iwasaki-Cho, Hodogaya-Ku,
Yokohama-Shi, Kangawa-Ken, Japan
;
, respectively
have invented certain new and useful improvements in: SEMICONDUCTOR DEVICE AND METHOD FOR
FABRICATING SAME
(Application No
WHEREAS. KABUSHIKI KAISHA TOSHIBA

SERT NAME
D ADDRESS OF
MPANY OR
HER ASSIGNEE

SERT TITLE OF

(hereinafter referred to as "ASSIGNEE") having a place of business at: <u>1-1, Shibaura 1-Chome, Minato-Ku, Tokyo, Japan,</u> 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.

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:	November, 21, 2-05	(hopotosh, Jolei
		(Signature of Inventor) Nobutoshi AOKI
Date:	November _ 25 _ 2005	Kowlin Kate
		(Signature of Inventor) Koichi KATO
Date:	november 21. 2005	Hatsuyth Seline
		(Signature of Inventor) Katsuyuki SEKINE
Date:	november 24, 2005	Ichur myushina
		(Signature of Inventor) Ichiro MIZUSHIMA
Date:		
		(Signature of Inventor)
Date:		
		(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET

ALEXANDRIA, VIRGINIA 22314

12/04

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PATENT REEL: 017482 FRAME: 0407