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FORM PTO-1595

To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Keiko KAWAMURA KABUSHIKI KAISHA TOSHIBA Name: Noboru MATSUDA Address: 1-1, Shibaura 1-chome, Minato-ku, Tokyo Yasuo EBUCHI 105-8001, JAPAN Additional name(s) of conveying party(ies) attached? \(\subseteq\) Yes \(\subseteq\) No 09-15-2004 3. Nature of Conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name 102836093 ☐ Other Execution Date: May 31, 2004 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) 10/834,842 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 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 A. Scafetta, Jr. Registration Number: 28,870 Registration No. 26,803 Total number of pages including this cover sheet: 3 Do not detach this portion

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PATENT

REEL: 015775 FRAME: 0209

Assignment of Application

Page 1 of 2

	WHEREAS, I (WE) Keiko KAWAMURA of c/o Intellectual Property Division, Toshiba Corporation,				
VSERT NAMES ND RESIDENCE	1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, JAPAN; Noboru MATSUDA of				
DDRESS OF HE INVENTORS:	c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku,				
	Tokyo 105-8001, JAPAN; Yasuo EBUCHI of c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, JAPAN				
SERT TITLE FINVENTION:			, respectively,		
	have invented certain new and useful improvements in: POWER SEMICONDUCTOR DEVICE				
SERT DATE IN- ENTORS SIGNED ECLARATION:	for which an application	n for Letters Patent was executed on			
SERT NAME ND ADDRESS OF MPANY OR THER ASSIGNEE	(Application No10	0/834,842 , filed <u>April 30, 2004</u>), and		
	WHEREAS, KABUSHIKI KAISHA TOSHIBA				
	(hereinafter referred to as "ASSIGNEE") having a place of business at:				
	1 – 1 、Shibaura 1-chome, Minato-ku, Tokyo 105-8001, 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.

10/01

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:	may 31, 2004	Keiko (Signature of Inventor)	Kawamwia Keiko KAWAMURA
Date:	may 31, 2004	Nolveru (Signature of Inventor)	Matenda Noboru MATSUDA
Date:	May 31, 2004	Yasuo (Signature of Inventor)	Ebuchi Yasuo EBUCHI
Date:	•	(Signature of Inventor)	
Date:		(Signature of Inventor)	
Date:		(Signature of Inventor)	
Date:	852 W	(Signature of Inventor)	
Date:		· · · · · · · · · · · · · · · · · · ·	
		(Signature of Inventor)	

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