07-14-2005

103040514

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Director of the United States Patent and Tradema. record the attached original documents or copy thereof. 1. Name of conveying party(ies): Name and address of receiving party(ies): Hisashi WATANOBE KABUSHIKI KAISHA TOSHIBA Name: Tooru HARA Address: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan Additional name(s) of conveying party(ies) attached? 

Yes No 3. Nature of Conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name [ Other Execution Date: April 14, 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) 11/094,466 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

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

07/11/2005 SZEWDIE1 00000031 11094466

Atty Docket No.:

FORM PTO-1595

269022US2

01 FC:8021

40.00 DE

**PATENT** REEL: 016762 FRAME: 0327

## **Assignment of Application**

Page 1 of

WHEREAS, I (WE) Hisashi WATANOBE of c/o Intellectual Prope	erty
Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Management	inato-ku,
Tokyo, Japan and Tooru HARA of c/o CHUBU TOSHIBA ENGINE	
LTD., 16-6, Sakae 1-chome, Naka-ku, Nagoya, Aichi, Japan	n
	, , , , , , , , , , , , , , , , , , , ,
	····
	, respectively,
have invented certain new and useful improvements in: SEMICONDUCTOR DEVICE AND I	• •
OF FABRICATING THE SAME	
for which an application for Letters Patent was executed on April 14, 2005	
(Application No. <u>11/094,466</u> , filed 31/03/2005	), and
WHEREAS, KABUSHIKI KAISHA TOSHIBA	
(hereinafter referred to as "ASSIGNEE") having a place of business at: $1-1$ , Shibaura $1-6$	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 Lette	ers Dataset that

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.

03/03

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: April 14, 2005	Lisashi Watanaba (Signature of Inventor)
Date: April 14, 2005	Toom Hara (Signature of Inventor)
Date:	(Signature of Inventor)
Date:	(Signature of Inventor)
Date:	(Signature of Inventor)
Date:	(Signature of Inventor)
Date:	(Signature of Inventor)
Date:	(Signature of Inventor)
	(D.B. mar of M. Tomor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

03/03

RECORDED: 07/08/2005

PATENT REEL: 016762 FRAME: 0329