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Atty Docket No.:

0057-2648-2YY PCT/ln

FORM PTO-1595 REC 1-31-92 P A

101465507

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To the Honorable Commissioner of Patents and Trademarks. Pleas	e record the attached original documents or copy thereof.
1. Name of conveying party(ies): Hideki TAKAHASHI Shuuichi TOMINAGA Additional name(s) of conveying party(ies) attacked? Assignment Security Agreement Assignment Change of Name	Name and address of receiving party(ies): Name: Mitsubishi Denki Kabushiki Kaisha Address: 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN
☐ Other Execution Date: April 12, 2000	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	execution date of the application is:
A. Patent Application No.(s) 09/555,522	B. Patent No.(s)
Additional numbers atta	ched? □Yes ■No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved:
OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. Attorneys at Law Fourth Floor 1755 Jefferson Davis Highway Arlington, Virginia 22202	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)
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PATENT REEL: 011076 FRAME: 0868

Assignment Of Application

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WHEREAS, I (WE) Hideki TAKAHASH of c/o Mitsubishi Denki Kabushiki Kaisha,

2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN and

Shuuichi TOMINAGA of c/o FUKURYO SEMI-CON ENGINEERING CORPORATION,

1-1, Imajuku-higashi 1-chome, Nishi-ku, Fukuoka-shi, FUKUOKA 819-0161

JAPAN

INSERT TITLE OF INVENTION:

INSERT DATE IN-VENTORS SIGNED DECLARATION:

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE:

, respectively,
have invented certain new and useful improvements in: SEMICONDUCTOR DEVICE AND
MANUFACTURING METHOD THEREOF AND SEMICONDUCTOR DEVICE PROTECTION CIRCUIT
for which an application for Letters Patent was executed onApril 12, 2000
(Application No. 09/555, 522 , filed June 08, 2000), and
WHEREAS, Mitsubishi Denki Kabushiki Kaisha
(hereinafter referred to as "ASSIGNEE") having a place of business at:
2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 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

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.

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any and all foreign countries;

PATENT REEL: 011076 FRAME: 0869 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 Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 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 12, 2000	(Signature of Inventor) Hideki TAKAHASHI
	April 12, 2000	(Signature of Inventor) Hideki TAKAHASHI Shuichi Tominaya (Signature of Inventor) Shuuichi TOMINAGA
Date:		(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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RECORDED: 09/08/2000

PATENT REEL: 011076 FRAME: 0870