Atty Docket No.:

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To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): 9.29.03 Junji YAMADA, Seiji SAIKI MITSUBISHI DENKI KABUSHIKI KAISHA Name: Address: 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310, Japan Additional name(s) of conveying party(ies) attached?

Yes No 3. Nature of Conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Additional name(s) and address(es) attached?

Yes Execution Date: August 28, 2003 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: August 28, 2003 B. Patent No.(s) A. Patent Application No.(s) 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 22850 ☐ 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. Marvin J. Spivak Name of Person Signing Registration Humber 21.124 Registration Number: 24,913 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 10/01/2003 KZEWDIE 00000107 10671592 Alexandria, Virginia. 22313 02 FC:8021 40.00 OP

> **PATENT** REEL: 014553 FRAME: 0213

	WHEREAS, I (WE) Junji YAMADA of Tokyo, Japan and
	Seiji SAIKI of Fukuoka, Japan
ISERT NAMES ND RESIDENCE DDRESSES OF HE INVENTORS:	
	, respectively
SERT TITLE F INVENTION:	have invented certain new and useful improvements in:
	SEMICONDUCTOR POWER MODULE
ISERT DATE IN- ENTORS SIGNED ECLARATION:	for which an application for Letters Patent was executed on August 28, 2003
	(Application No, filed), and
ISERT NAME ND ADDRESS OF OMPANY OR THER ASSIGNEE:	WHEREAS, MITSUBISHI DENKI KABUSHIKI KAISHA
HER ASSIGNEE:	(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 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, continua-

tions, 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 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: Aufrist 28. 2003	(Signature of Inventor) Junji YAMADA
Date: August 28 2003	(Signature of Inventor) Seiji SAIKI
Date:	. •
Date:	(Signature of inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

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RECORDED: 09/29/2003

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