

07-29-2005

Q88895

MODIFIED Form PTO-1595
(Rev. 10/02)

RF



PT

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

103051075

To the Director of the U.S. Patent and Trademark Office, *Patent* original documents or copy thereof.

1. Name of conveying party(ies):
Hiroshi YAMABUCHI
Ryoji NISHIYAMA
Yuji KURAMOTO
Satoshi ISHIBASHI

2. Name and address of receiving party(ies):
MITSUBISHI DENKI KABUSHIKI KAISHA
2-3, Marunouchi 2-chome, Chiyoda-ku,
TOKYO 100-8310 JAPAN

113010 U.S. PTO
11/186982
07/29/05

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) & address(es) attached? Yes No

Execution Date: June 14, 2005

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: June 14, 2005
A. Patent Application No.(s)
Not Yet Assigned

B. Patent No.(s)
Unknown
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
SUGHRUE MION, PLLC
WASHINGTON OFFICE
23373
CUSTOMER NUMBER

6. Total number of applications and patents involved:
1
7. Total fee (37 CFR 3.41): \$40.00
 Enclosed.
 Authorized to be charged to Deposit Account No. 19-4880.
The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

8. Deposit Account Number:
19-4880
(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.
Richard C. Turner
Richard C. Turner

Bruce L. Kramer
Reg. No. 33,725
July 22, 2005
Date

Total number of pages including cover sheet, attachments, and documents: 2
Mail documents to be recorded with required cover sheet information to:
MAIL STOP ASSIGNMENT RECORDATION SERVICES
Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

07/28/2005 ECOOPER 00000102 11186982
01 FC:0021 40.00 DP

PATENT
REEL: 016805 FRAME: 0893

Assignment

Whereas, I/We, **Hiroshi YAMABUCHI, Ryoji NISHIYAMA, Yuji KURAMOTO and Satoshi ISHIBASHI**

c/o MITSUBISHI DENKI KABUSHIKI KAISHA

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

of hereinafter called assignor(s), have invented certain improvements in

COOLING SYSTEM OF POWER SEMICONDUCTOR MODULE

and executed an application for Letters Patent of the United States of America therefor on

; and Whereas,

MITSUBISHI DENKI KABUSHIKI KAISHA

2-3, Marunouchi 2-chome, Chiyoda-ku,

TOKYO 100-8310 JAPAN

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed _____) the filing date and application number of said application when known.

Date: June 14, 2005 Hiroshi Yamabuchi
s/ **Hiroshi YAMABUCHI**

Date: June 14 2005 Ryoji Nishiyama
s/ **Ryoji NISHIYAMA**

Date: June 14, 2005 Yuji Kuramoto
s/ **Yuji KURAMOTO**

Date: June 14, 2005 Satoshi Ishibashi
s/ **Satoshi ISHIBASHI**

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)