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09-20-2002

FORM PTO-1596
1-31-92

RECORDATION FORM COVER



COMMERCE
Patent Office

Docket No.: 57454-486

PATENTS ONLY

102228741

To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereto:

<p>1. Name of Conveying Party(ies): Hirotoishi ISE, Toshiki OONO and Tatsuo MIZUNO</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: MITSUBISHI DENKI KABUSHIKI KAISHA</p> <p>Address: 2-3, Marunouchi 2-chome Chiyoda-ku Tokyo 100-8310, JAPAN</p> <p>Name: MITSUBISHI ELECTRIC ENGINEERING COMPANY LIMITED</p> <p>Address: 2-6-2, Ohtemachi Chiyoda-ku Tokyo 100-0004, JAPAN</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes</p>
<p>3. Nature of Conveyance:</p> <p><input type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input checked="" type="checkbox"/> Other To correct second Assignee's information</p> <p>Execution Date: January 25, 2002</p>	

4. Application number(s) or patent number(s):

If the document is being filed together with a new application, the execution date of the application is:

<p>A. Patent Application No(s). 10/131,246, filed April 25, 2002</p>	<p>B. Patent No(s).</p>
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Additional numbers attached? Yes

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: MCDERMOTT, WILL & EMERY</p> <p>Internal Address:</p> <p>Street Address: 600 13th Street, N.W.</p> <p>City: Washington State: DC Zip: 20005</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$40.00</p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 500417</p>
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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.

Stephen A. Becker, 26,527

Name and Registration No. of Person Signing

Signature

Date

September 13, 2002

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

09/19/2002 6T0M11 00000183 500417 10131246
01 FC:581 40.00 CH

PATENT
REEL: 013298 FRAME: 0447

08-12-2002

FORM PTO-1596
1-31-92



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Docket No.: 57454-486

102188269

To the Honorable Commissioner for Patents and Trademarks and original documents or copy thereto:

1. Name of Conveying Party(ies):
Hirotoishi ISE, Toshiki OONO and Tatsuo MIZUNO
Additional name(s) of conveying party(ies) attached? Yes

04/25/02

2. Name and address of receiving party(ies):
Name: MITSUBISHI DENKI KABUSHIKI KAISHA
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Name: MITSUBISHI ELECTRIC ENGINEERING
COMPANY LIMITED
Address: 2-6-2, Ohtemachi
Chiyoda-ku
Tokyo 100-0004, JAPAN

Jc973 U.S. PTO
10/13/246
04/25/02

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
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Street Address: 600 13th Street, N.W.
City: Washington State: DC Zip: 20005

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
8. Deposit account number:
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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.
Stephen A. Becker, 26,527 April 25, 2002

Name and Registration No. of Person Signing Signature Date
Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

05/03/2002 LHWELLER 00000252 500417 10131246

01 FC:581 40.00 CH

PATENT
REEL: 013298 FRAME: 0448

Docket No.:

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- (1) Hirotoishi ISE (4) _____ (7) _____
- (2) Toshiki OONO (5) _____ (8) _____
- (3) Tatsuo MIZUNO (6) _____ (9) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto

- (1) Mitsubishi Denki Kabushiki Kaisha of
2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN
- (2) MITSUBISHI ELECTRIC ENGINEERING COMPANY LIMITED of
2-6-2, OHTEMACHI, CHIYODA-KU, TOKYO 100-0004 JAPAN

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

CENTRIFUGAL DRYER, MANUFACTURING METHOD FOR SEMICONDUCTOR DEVICE
AND SEMICONDUCTOR MANUFACTURING APPARATUS

(a) for which an application for United States Letters Patent was filed on _____, and identified by United States Serial No. _____; or

(b) for which an application for United States Letters Patent was executed on January 25, 2002

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE:

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

1) Hirotoishi Ise
Name: Hirotoishi ISE

January 25, 2002

2) Toshiki Ono
Name: Toshiki OONO

January 25, 2002

3) Tatsuo Mizuno
Name: Tatsuo MIZUNO

January 25, 2002

4) _____
Name:

5) _____
Name:

6) _____
Name:

7) _____
Name:

8) _____
Name:

9) _____
Name: