



03-25-2003



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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Attorney's Docket No. 026905-020

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Takeru MATSUOKA
Shoichi FUKUI
Takeshi MASAMITSU

10-28-02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

Other: Address correction of second receiving party
previously recorded on July 11, 2002, reel 013102,
frame 0054

Execution Date: May 21, 2002

2. Name and address of receiving party(ies):

Name: 1) Mitsubishi Denki Kabushiki Kaisha

Address: 2-3, Marunouchi 2-chome

Chiyoda-ku, Tokyo 100-8310

JAPAN

Additional name(s) & 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)

10/192,610

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Platon N. Mandros

Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404

Alexandria, Virginia 22313-1404

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, if necessary

8. Deposit account number:

02-4800

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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.

Ellen Marcie Emas, Reg. No. 32,131
Name of Person Signing

Signature

October 28, 2002
Date

Total number of pages including cover sheet, attachments, and document: 3

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10/31/2002 TDIAZ1 00000131 10192610

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2. Additional Receiving Party:

- 2) Ryoden Semiconductor System Engineering Corporation
1 Mizuhara 4-chome
Itami-shi, Hyogo **664-0005**
Japan

07-23-2002



SHEET

102165010

Attorney's Docket No. 026905-023

JCS71
10/192610
07/11/02

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Takeru MATSUOKA
Shoichi FUKUI
Takeshi MASAMITSU

7-11-02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

Other: _____

Execution Date: May 21, 2002

2. Name and address of receiving party(ies):

Name: 1) Mitsubishi Denki Kabushiki Kaisha

Address: 2-3, Marunouchi 2-chome

Chiyoda-ku, Tokyo 100-8310

JAPAN

Additional name(s) & 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: May 21, 2002

A. Patent Application No.(s)

10,192610

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Platon N. Mandros

Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404

Alexandria, Virginia 22313-1404

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, if necessary

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.

Platon N. Mandros, Reg. No. 22,124
Name of Person Signing

[Signature]
Signature

July 11, 2002
Date

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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) Takeru MATSUOKA
(3) Takeshi MASAMITSU

(2) Shoichi FUKUI

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

Mitsubishi Denki Kabushiki Kaisha
2-3, Marunouchi 2-chome
Chiyoda-ku, Tokyo 100-8310
JAPAN

and

Ryoden Semiconductor System Engineering Corporation
1 Mizuhara 4-chome
Itami-shi, Hyogo 664-0005
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

SEMICONDUCTOR DEVICE

for which an application for United States Letters Patent was executed on even date herewith,

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) Takeru Matsuoka
Name: Takeru MATSUOKA
2) Shoichi Fukui
Name: Shoichi FUKUI
3) Takeshi Masamitsu
Name: Takeshi MASAMITSU

May 21, 2002
May 21, 2002
May 21, 2002