

TO THE ASSISTANT COMMISSIONER FO

documents or copy thereof.



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JC973 U.S. PTO
10/291899
11/08/02

1. Name of conveying parties:

1. Koji Morimoto
2. Kouki Sato
3. Masahito Morimoto
4. Kazuhiro Toriumi
5. Taichi Tsuchiya

11-8-02

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

2. Name and address of receiving party:

Name: The Furukawa Electric Co., Ltd.
Street Address: 2-6-1, Marunouchi, Chiyoda-ku
City: Tokyo Country: Japan ZIP: 100-8322

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3. Nature of conveyance:

- (X) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

Execution Date:

1. October 16, 2002
2. October 16, 2002
3. October 16, 2002
4. October 16, 2002
5. October 16, 2002

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

(X) Application(s) filed herewith

Execution Date(s):

1. October 16, 2002
2. October 16, 2002
3. October 16, 2002
4. October 16, 2002
5. October 16, 2002

10,291,899

() Patent Application No.:

Filing Date:

() Patent No.:

Issue Date:

Additional numbers attached? () Yes (X) No

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

Name: Thomas R. Arno
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995
Street Address: 2040 Main Street, Fourteenth Floor
City: Irvine State: CA ZIP: 92614
Attorney's Docket No.: SAKA4.001AUS

7. Total fee (37 CFR 1.21(h)): \$40

(X) Enclosed

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Thomas R. Arno
Name of Person Signing
40,490
Registration No.

Signature

Date

11/08/02

Total number of pages including cover sheet, attachments and document: 4

Mail documents to be recorded with required cover sheet information to:

11/19/2002 TDIAZ1

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U.S. Patent and Trademark Office
Attn: Assignment Division
Crystal Gateway-4
1213 Jefferson Davis Highway, Suite 320
Arlington, VA 22202

ASSIGNMENT

WHEREAS, I,
Koji MORIMOTO, Kouki SATO and Masahito MORIMOTO
c/o THE FURUKAWA ELECTRIC CO., LTD.
2-6-1, Marunouchi, Chiyoda-ku, TOKYO 100-8322 JAPAN

Kazuhiro TORIUMI and Taichi TSUCHIYA residing at
c/o MIYOTA CO., LTD.
4107-5, Oaza Miyota, Miyota-machi, Kitasaku-gun, NAGANO
389-0294 Japan

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in
SILICON DEVICE MANUFACTURING METHOD, SILICON DEVICE, AND
OPTICAL COMPONENT

the specification of which:

- (a) ☒ is attached hereto; or
- (b) ☐ was filed on _____ as Application No. _____ or
- (c) ☐ was described and claimed in PCT International Application No. _____ filed on _____, and as amended under PCT Article 19 on _____ (if any) and/or under PCT Article 34 _____ (if any).

AND WHEREAS, THE FURUKAWA ELECTRIC COMPANY, LTD. (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 16th day of Oct., 2002

Koji Morimoto
Signature of first or sole inventor Koji MORIMOTO

This 16th day of Oct., 2002

Kouki Sato
Signature of second inventor Kouki SATO

This 16th day of Oct., 2002

Masahito Morimoto
Signature of third inventor Masahito MORIMOTO

This _____ day of _____, _____

Signature of fourth inventor Kazuhiro TORIUMI

This _____ day of _____, _____

Signature of fifth inventor Taichi TSUCHIYA

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071400

This _____ day of _____, _____

This 16th day of Oct., 2002

This 16th day of Oct., 2002

Signature of third inventor Masahito MORIMOTO

島海 和宏

Signature of fourth inventor Kazuhiro TORIUMI

工屋 太一

Signature of fifth inventor Taichi TSUCHIYA

S:\DOCS\TRA\LETTERS\ASSIGNP
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