



10-17-2003



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Attorney Docket 5319-8CIP

To the Honorable Commissioner of Patents and Trademarks

al documents or copy thereof.

1. Name of conveying party(ies):

Tomoaki TORATANI
Toshiro YAMAMOTO
Hiroshi MORIMOTO
Kyutaro ABE
Masahiro HASEGAWA
Akira NOGUCHI
Kosuke YAMAWAKI

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

Name: The Furukawa Electric Co., Ltd.

Internal Address:

Street Address: 6-1, Marunouchi 2-chome, Chiyoda-ku

City: Tokyo

State/Country: Japan

Zip: 100-8322

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: October 1, 2003, respectively

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)
10/463,093

B. Patent No.(s)
n/a

Additional numbers attached? ☐ Yes ☒ No

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

Name: Thomas Langer

Internal Address: Cohen, Pontani, Lieberman & Pavane

Street Address: 551 Fifth Avenue, 12th Floor

City: New York State: New York Zip: 10176

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: 03-2412
(Attach duplicate copy of this page if paying by deposit account)

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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.

Thomas Langer

Name of Person Signing

Reg. No. 27,264

Signature

October 7, 2003

Date

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

5

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

Mail Stop Assignment Recordation
Director of the US Patent and Trademark Office
PO Box 1450
Alexandria, VA 22313-1450

10/16/2003 ECOOPER 00000258 10463093

01 FC:8021

40.00

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, We the undersigned, **Tomoaki TORATANI, Toshiro YAMAMOTO, Hiroshi MORIMOTO, Kyutaro ABE, Masahiro HASEGAWA, Akira NOGUCHI , Kosuke YAMAWAKI** (hereinafter referred to as "ASSIGNOR"):

Hereby sell, assign and transfer to **The Furukawa Electric Co., Ltd.** (hereinafter referred to as "ASSIGNEE"), a corporation of Japan, having a place of business at 6-1, Marunouchi 2-chome, Chiyoda-ku, 100-8322 Tokyo, Japan, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to the invention which is disclosed in the application for United States Letters Patent Serial No. 10/463,093 filed June 17, 2003 **which is a Continuation-in-Part of Application Serial No. 10/316,442 which was filed on December 11, 2002**, and is entitled

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and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on said invention; and in and to all original, reissued and other patents and certificates of invention which have been or shall be issued in the United States and all foreign countries on said invention;

Agree that said Assignee may apply for and receive Letters Patent for said invention in its own name, and that, when requested, without further consideration from or charge to, but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good

faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on said invention; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: October 1, 2003
month/day/year

Tomoaki Toratani
Tomoaki TORATANI

Witness

Witness

Date: October 1, 2003
month/day/year

Toshiro Yamamoto
Toshiro YAMAMOTO

Witness

Witness

Date: October 1, 2003
month/day/year

Hiroshi Morimoto
Hiroshi MORIMOTO

Witness

Witness

Date: October 1, 2003
month/day/year

Kyutaro ABE
Kyutaro ABE

Witness

Witness

Date: October 1, 2003
month/day/year

Masahiro Hasegawa
Masahiro HASEGAWA

Witness

Witness

Date: October 1, 2003
month/day/year

Akira Noguchi
Akira NOGUCHI

Witness

Witness

Date: October 1, 2003
month/day/year

Kosuke Yamawaki
Kosuke YAMAWAKI

Witness

Witness

Note: Signature of a witness is preferable, but not required.

☐ Additional inventors on attached page