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Documents or copy thereof.

TO THE ASSISTANT COMMISSIONER FOR

U.S. PTO
10/016303
10/30/01

1. Name of conveying party(ies): (If multiple assignors, list numerically)

- 1. Koichi Murata
- 2. Yasunori Habiro
- 3. Dongzhi Jin
- 4. Fumihiko Abe
- 5. Hajime Mochizuki

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

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,
 Tokyo 100-8322 Japan
City: **State:** **ZIP:**

Additional name(s) of receiving party(ies) attached?
 Yes No

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) September 10, 2001

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

Application(s) filed herewith
Execution Date(s): September 10, 2001

Patent Application No.:
Filing Date:

10/016303

Patent No.:
Issue Date:

Additional numbers attached? Yes No

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

Name: Eric M. Nelson
 KNOBBE, MARTENS, OLSON & BEAR, LLP
 Customer No. 20,995
Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach **State:** CA **ZIP:** 92660
Attorney's Docket No.: NAGAT29.001C1

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

Enclosed
 Authorized to be charged to deposit account

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.

Eric M. Nelson
Name of Person Signing

Signature

10/30/2001
Date

43,829
Registration No.

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

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

12/26/2001 LMUELLER 00000103 10016303

01 FC:581

40.00 DP

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

61454501
(7PFE892105...)

PATENT

ASSIGNMENT

WHEREAS, I/WE (1) Koichi MURATA

a Japanese citizen, residing at Tokyo, Japan

(2) Yasunori HABIRO

a Japanese citizen, residing at Tokyo, Japan

(3) Dongzhi JIN

a Chinese citizen, residing at Tokyo, Japan

(4) Fumihiko ABE

a Japanese citizen, residing at Tokyo, Japan

(5) Hajime MOCHIZUKI

a Japanese citizen, residing at Tokyo, Japan

(6)

a _____ citizen, residing at _____

(7)

a _____ citizen, residing at _____

(8)

a _____ citizen, residing at _____

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new

and useful improvements in ABNORMALITY DIAGNOSIS METHOD AND APPARATUS FOR SEPARABLE

TRANSFORMER

the specification of which:

(a) is attached hereto; or

PIX 54 US

(b) was filed on _____ as Application
No. _____ or Express Mail No., as Application No. not
yet known _____ and was amended
on _____ (if applicable); 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 on _____ (if any).

AND WHEREAS, THE FURUKAWA ELECTRIC CO., LTD.,

with its principal place of business at 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322 Japan
(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 10th day of September, 2001 _____
Signature of Koichi MURATA

This 10th day of September, 2001 _____
Signature of Yasunori HABIRO

This 10th day of September, 2001 _____
Signature of Dongzhi JIN

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This 10th day of September, 20 01 Fumihiko ABE
Signature of Fumihiko ABE

This 10th day of September, 20 01 Hajime Mochizuki
Signature of Hajime MOCHIZUKI

This _____ day of _____, 20 _____
Signature of _____

This _____ day of _____, 20 _____
Signature of _____

This _____ day of _____, 20 _____
Signature of _____

PF-58