

01-17-2003

RECORDA'



1-17-03

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

102341010

: copy thereof.

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

- 1. Fumihiko Abe
- 2. Kengo Tanaka
- 3. Dongzhi Jin
- 4. Kazuhiko Matsuzaki
- 5. Tsuyoshi Nakamoto
- 6. Masakazu Matsui
- 7. Hideharu Yonehara
- 8. Tomotaka Watanabe
- 9. Kosuke Yamawaki
- 10. Takahiro Ueno

1-17-03

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

Name: The Furukawa Electric Co., Ltd.
Internal Address:
Street Address: 6-1 Marunouchi 2-chome
City: Chiyoda-ku, Tokyo **Country:** Japan

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

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

3. Nature of conveyance:

(X) Assignment

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) All inventors signed on December 17, 2002

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

(X) Patent Application No.: 10/246,656
 Filing Date: September 17, 2002

Additional numbers attached? () Yes (X) 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: Fourteenth Floor
Street Address: 2040 Main Street
City: Irvine **State:** CA **ZIP:** 92614
Attorney's Docket No.: NAGAT60.001AUS

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

(X) Enclosed
 (X) Authorized to be charged to deposit account if any additional fees are required, or to credit any overpayment

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]
 Signature

1/17/2003
 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:

01/17/2003 670N11 00000145 10246656

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U.S. Patent and Trademark Office
 Attn: Assignment Division
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 Arlington, VA 22202

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P1829US
(FPLC 2/1/80)

PATENT

ASSIGNMENT

WHEREAS, I/WE (1) Fumihiko ABE

a Japanese citizen, residing at Tokyo, Japan

(2) Kengo TANAKA

a Japanese citizen, residing at Tokyo, Japan

(3) Dongzhi JIN

a Chinese citizen, residing at Tokyo, Japan

(4) Kazuhiko MATSUZAKI

a Japanese citizen, residing at Tokyo, Japan

(5) Tsuyoshi NAKAMOTO

a Japanese citizen, residing at Tokyo, Japan

(6) Masakazu MATSUI

a Japanese citizen, residing at Tokyo, Japan

(7) Hideharu YONEHARA

a Japaense citizen, residing at Tokyo, Japan

(8) Tomotaka WATANABE

a Japaense citizen, residing at Tokyo, Japan

(9) Kosuke YAMAWAKI

a Japanese citizen, residing at Tokyo, Japan

(10) Takahiro UENO

a Japanese citizen, residing at Tokyo, Japan

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in ROTATION SENSOR

the specification of which:

(a) is attached hereto; or

(b) was filed on September 17, 2002 as Application
No. 10/246,656 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, 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 17th day of December, 20 02 Fumihiko ABE
Signature of Fumihiko ABE

This 17th day of December, 20 02 Kengo Tanaka
Signature of Kengo TANAKA

This 17th day of December, 20 02 Dongzhi Jin
Signature of Dongzhi JIN

This 17th day of December, 20 02

Kazuhiko Matsuzaki
Signature of Kazuhiko MATSUZAKI

This 17th day of December, 20 02

Tsuyoshi Nakamoto
Signature of Tsuyoshi NAKAMOTO

This 17th day of December, 20 02

Masakazu Matsui T.N.
Signature of Masakazu MATSUI

This 17th day of December, 20 02

Hideharu Yonehara
Signature of Hideharu YONEHARA

This 17th day of December, 20 02

Tomotaka Watanabe
Signature of Tomotaka WATANABE

This 17th day of December, 20 02

Kosuke Yamawaki
Signature of Kosuke YAMAWAKI

This 17th day of December, 20 02

Takahiro Ueno
Signature of Takahiro UENO

This _____ day of _____, 20 _____

Signature of _____

This _____ day of _____, 20 _____

Signature of _____

This _____ day of _____, 20 _____

Signature of _____

PLEASE RETURN TO
ROBERT MATHIAS, OLSON & BARR LLP
200 MAIN STREET, 14TH FLOOR
EVANSTON, ILLINOIS 60120