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TO THE ASSISTANT COMMISSIONER FOR PATENTS. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1. Dongzhi Jin
- 2. Fumihiko Abe
- 3. Kengo Tanaka
- 4. Kazuhiko Matsuzaki
- 5. Masahiro Hasegawa
- 6. Kosuke Yamawaki

Additional name(s) of conveying party(ies) attached?
() Yes (X) 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
City: Tokyo **Country:** Japan **ZIP:** 100-8322

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

3. Nature of conveyance:

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

Execution Date:
No. 1-4: January 25, 2001
Nos. 5 and 6: January 31, 2001

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

Application(s) filed herewith
Execution Date(s):
January 25, 2001 and January 31, 2001

- Patent Application No.: 09/790304
Filing Date: 02-21-01
- 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: 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.: NAGAT14.001C1

- Enclosed
- 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: One

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

01.1.2001
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:

10/04/2001 GT0N11 00000124 09790304
01 FC:581 40.00 OP

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

PI 27XUS
(FPFEB45USC1)

ASSIGNMENT

PATENT

WHEREAS, I/WE (1) Dongzhi JIN

a Chinese citizen, residing at Chiba-shi, Chiba, Japan

(2) Fumihiko ABE

a Japanese citizen, residing at Chiba-shi, Chiba, Japan

(3) Kengo TANAKA

a Japanese citizen, residing at Chiba-shi, Chiba, Japan

(4) Kazuhiko MATSUZAKI

a Japanese citizen, residing at Ichihara-shi, Chiba, Japan

(5) Masahiro HASEGAWA

a Japanese citizen, residing at Kameyama-shi, Mie, Japan

(6) Kosuke YAMAWAKI

a Japanese citizen, residing at Suzuka-shi, Mie, Japan

(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 ROTATION SENSOR AND MEASUREMENT CIRCUIT

the specification of which:

(a) is attached hereto; or

P1274US

(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 (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said Japan 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 25th day of January, 2001 Dengzhi Jin
Signature of Dengzhi JIN

This 25th day of January, 2001 Fumihiko ABE
Signature of Fumihiko ABE

This 25th day of January, 2001 Kengo Tanaka
Signature of Kengo TANAKA

This 25th day of January, 20 01

Kazuhiko Matsuzaki
Signature of Kazuhiko MATSUZAKI

This 31st day of January, 20 01

Masahiro Hasegawa
Signature of Masahiro HASEGAWA

This 31st day of January, 20 01

Kosuke Yamawaki
Signature of Kosuke YAMAWAKI

This _____ day of _____, 20 _____

Signature of

This _____ day of _____, 20 _____

Signature of