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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office
Attorney Docket No. MINB-02003

To the honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- (1) **Mutsumi MATSUURA**
(2) **Taiichi MIYA**

6.17.04

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

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date(s): **(1) October 15, 2003, (2) October 15, 2003**

2. Name and address of receiving party(ies)

Name: **Minebea Co., Ltd.**Street Address: **4106-73, Miyota, Oaza
Miyota-Machi, Kitasaku-Gun
Nagano-Ken 389-0293 JAPAN**

Additional name(s) & address(es) attached?

☐ Yes ☒ No

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

Month Day Year

If this document is being filed together with a new application, the execution dates of the application are:

A. Patent Application No.(s)
10/392,971

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: **David G. Posz**

Internal Address: _____

Street Address: _____

Adduci, Mastriani & Schaumberg, LLP**1200 Seventeenth Street, N.W.**City: **Washington** State: **DC** Zip: **20036**

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41). \$ **40**

8. Deposit account number:

01-0305

(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.***David G. Posz (Reg. No. 37,701)**

Name of Person Signing

Signature

June 17, 2004

Date

Total number of pages including cover sheet, attachments, and documents: **3**Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Mail Stop Assignments
Alexandria, 22313-1450

06/21/2004 ECOOPER 00000127 010305 10392971

01 FC:8021 40.00 DA

PATENT
REEL: 015471 FRAME: 0230

ASSIGNMENT

WHEREAS,

Mutsumi MATSUURA	a citizen of Japan, whose mailing address is	Minebea Co., Ltd. 4106-73 Miyota, Oaza, Miyota-Machi, Kitasaku-Gun, Nagano-Ken 389-0293 Japan
Taiichi MIYA	a citizen of Japan, whose mailing address is	Minebea Co., Ltd. 4106-73 Miyota, Oaza, Miyota-Machi, Kitasaku-Gun, Nagano-Ken 389-0293 Japan

(hereinafter referred to as Assignor(s)), has(have) invented certain new and useful improvements in

A DUAL RESOLVER DEVICE,

for which an application for Letters Patent was filed on March 21, 2003, and was assigned Serial No. 10/392,971, and

WHEREAS, Minebea Co., Ltd., a Japanese corporation, having a principal place of business at 4106-73 Miyota, Oaza, Miyota-Machi, Kitasaku-Gun, Nagano-Ken 389-0293 Japan (hereinafter "the Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention described therein, and each and every patent that can be issued on said application and on said invention in the United States of America and in its territories and possessions, and in all countries foreign to the United States of America;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of One Dollar (\$1.00), in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor(s) has(have) sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the Assignee the full and exclusive right, title, and interest in and to the aforesaid application, the aforesaid invention, and each and every patent that may be issued on the aforesaid invention and application in the United States of America, and in its territories and possessions and also in all countries foreign to the United States of America, the same to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors, assigns or other legal representatives to the end of the term or terms for which a patent or patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor(s) if this Assignment had not been made.

Assignor(s) hereby authorizes() and requests() the Commissioner of Patents and Trademarks to issue any and all Letters Patent on the aforesaid invention or resulting from the aforesaid application directly to the Assignee.

Assignor(s) hereby authorizes() the Assignee and its successors to apply for a patent or patents directly in its own name upon the aforesaid invention wherever the same is permitted by law, and also assign, sell, transfer and set over unto the Assignee and its successors all priority rights under the aforesaid application.

Assignor(s) further covenants() to execute all additional instruments and to do all things necessary to carry out the purpose of this instrument, at the expense of the Assignee and its successors.

IN TESTIMONY WHEREOF, I (we) have executed this document on the date indicated below.

Date: October 15, 2003

M. Matsuura
Mutsumi MATSUURA

Date: October 15, 2003

Taiichi Miya.
Taiichi MIYA

