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Attorney Docket No. 119794

17548 U.S. PTO
10/851186

052404

5-24-04

Please record the attached original document or copy thereof.

<p>1. A. Name of conveying party: Shinichi NIWA</p> <p>B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. A. Name and address of receiving party: MINEBEA CO., LTD. 4106-73 MIYOTA, MIYOTA-MACHI, KITASAKU-GUN, NAGANO-KEN, JAPAN</p> <p>B. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>3. A. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>B. Execution Date: <u>May 20, 2004</u></p>	<p>B. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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4. A. If this document is being filed together with a new application, the execution date of the application is: May 20, 2004

B. Patent Application No.(s) 10851186 | C. Patent No.(s) _____

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>James A. Oliff</u></p> <p>Address: <u>OLIFF & BERRIDGE, PLC</u> <u>P.O. Box 19928</u> <u>Alexandria, VA 22320</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. A. Total fee (37 CFR 3.41).....\$ <u>40.00</u></p> <p>B. Enclosed (Check No. <u>154365</u>)</p> <p>8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.</p>
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05/27/2004 MGTACHE 00000092 10851186
01 FC:8021 40.00 OP

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 J. Pardini
James A. Oliff Registration No. 27,075
Thomas J. Pardini Registration No. 30,411

Date: May 24, 2004

Total number of pages including cover sheet, attachments, and document: 2

ASSIGNMENT

(1-8) Insert (1) Shinichi NIWA (5) _____
 Name(s) of (2) _____ (6) _____
 Inventor(s) (3) _____ (7) _____ and
 (4) _____ (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee (9) Minebea Co., Ltd.
 (10) Insert Address of Assignee (10) 4106-73 Miyota, Miyota-machi, Kitasaku-gun, Nagano-ken, Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. § 100, in the invention, and in all applications for patent including any and all divisions, continuations, substitutes, and reissues, and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification, (11) MANUFACTURING METHOD OF COLOR WHEEL, AND COLOR WHEEL FABRICATED
 such as Title, Case THEREBY AND INCORPORATED IN COLOR WHEEL ASSEMBLY AND IMAGE DISPLAY
 Number or Foreign APPARATUS
 Application Number (Case No1 19794)

For which the undersigned has (have) executed an application for patent in the United States of America

(12) Insert Date of (12) on May 20, 2004
 Signing of Application

(13) Alternative (13) U.S. application Serial Number _____
 identification for filed May 24, 2004
 filed applications

- 1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof, or any patent or reissue application based thereon, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States Patent to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Director of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisional, continuing or reissue applications to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict herewith.
- 6) The undersigned hereby grant(s) the firm of OLIFF & BERRIDGE the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date May 20, 2004 Name of Inventor Shinichi Niwa (SEAL)
 Date _____ Name of Inventor _____ (SEAL)
 Date _____ Name of Inventor _____ (SEAL)
 Date _____ Name of Inventor _____ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A.

(b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date _____ Witness _____
 Date _____ Witness _____