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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

102679927

file:71121

- 1. Name (and address) of conveying party(ies)
- 2. Name and Address of receiving party(ies)

Masaaki IKAWA
c/o Mabuchi Motor Co., Ltd.,
430, Matsuhidai, Matsudo-shi,
CHIBA 270-2280, Japan
Execution Date: Aug. 18, 2003

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Execution Date: Aug. 19, 2003

Wataru SAKURAI
c/o Mabuchi Motor Co., Ltd.,
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CHIBA 270-2280, Japan
Execution Date: Aug. 18, 2003

3. Submission Type:

- New
- Resubmission Document (Non-Recordation)
- Correction of PTO Error Reel/Frame: _____
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4. Nature of conveyance:

- Assignment;
 - Security Agreement;
 - Other;
 - Merger
 - Change of Name
- Execution Date: August 18 and 19, 2003**

10472363

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

If this document is being filed together with a new application, the execution date of the application is:
August 18 and 19, 2003

- A. Patent Application No.(s)
 - B. Patent No.(s)
- Additional numbers attached () Yes (X) No

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

McGlew & Tuttle, P.C.
Scarborough Station
Scarborough, New York 10510-0827

7. Total number of applications and patents involved: 1

8. Total fee (37 CFR 3.41) \$ 40.00

- Enclosed
- Authorized to be charged to deposit account
- Already submitted

9. Deposit account number:

13-0410

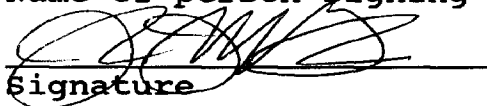
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10. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John James McGlew
Name of person signing

Reg. No. 31,903


Signature

September 17, 2003
Date

Total number of pages comprising cover sheet, attachments, and documents 5

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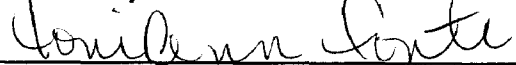
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SCARBOROUGH STATION
SCARBOROUGH, NEW YORK 10510
DATED: September 17, 2003

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I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL, REGISTRATION NO. EV323630348US IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON September 17, 2003

McGLEW AND TUTTLE, P.C., SCARBOROUGH STATION,
SCARBOROUGH, NEW YORK 10510-0827

By: 

Date: September 17, 2003

71121.4

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, We, the undersigned have invented certain new and useful improvements in an invention entitled:

ENCODER DEVICE INCORPORATED IN MINIATURE MOTOR

the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent.

AND WHEREAS, Mabuchi Motor Co., Ltd. with a principal place of business at:

430, Matsuhidai, Matsudo-shi, CHIBA 270-2280 JAPAN

(hereinafter referred to as Assignee) is desirous of acquiring an interest therein-and-in the Letters Patent to be obtained therefore from the United States.

NOW THEREFORE, be it known by all whom it may concern, that for an in consideration of the sum of One Dollar (\$1.00) (or the equivalent thereof in foreign currency) and other valuable consideration to us in hand paid, the receipt of which is hereby acknowledged, we have assigned, sold and set over and by these presents assign, sell and set over unto said Assignee for the territory of the United States of America and not elsewhere, the full and exclusive right, title and interest in and to the said invention, as fully set forth and described in the specification prepared and executed by us on: _____, filed on

_____, as Serial No. _____, preparatory to obtaining Letters Patent therefore; said invention, application and Letters Patent to be held and enjoyed by the said Assignee for its own use and behoof and for the use and behoof its successors and assigns to the full end of the term for which said Letters Patent is granted, as fully and entirely as the same would have been held by us had this Assignment and sale not been made; and we further hereby authorize Assignee or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this Assignment.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which

may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, We have hereunto signed our names on the day and year set forth below.

& First Inventor's Name Masaaki IKAWA DATE 18 / Aug / 2003
Printed Name Day/Month/Year

First Inventor's Signature Masaaki Ikawa

& Second Inventor's Name Hisashi OGINO DATE 19 / Aug / 2003
Printed Name Day/Month/Year

Second Inventor's Signature Hisashi Ogino

& Third Inventor's Name Wataru SAKURAI DATE 18 / Aug / 2003
Printed Name Day/Month/Year

Third Inventor's Signature Wataru Sakurai

& Fourth Inventor's Name _____ DATE _____
Printed Name Day/Month/Year

Fourth Inventor's Signature _____

& Fifth Inventor's Name _____ DATE _____
Printed Name Day/Month/Year

Fifth Inventor's Signature _____

& Sixth Inventor's Name _____ DATE _____
Printed Name Day/Month/Year

Sixth Inventor's Signature _____