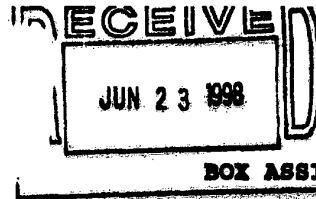


07-07-1998



100755136



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Hiroyuki SONOBE et al.  
Serial No.: 08/937,804 Group: 3611  
Filed: September 25, 1997 Examiner: Unknown  
For: DRIVING UNIT FOR AN ELECTRIC MOTOR DRIVEN BICYCLE

Date: June 23, 1998

Docket No.: 965-212P

*corrective*

RECORDING OF ASSIGNMENT

BOX ASSIGNMENTS  
Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

Please record the attached original documents or copy thereof.

1. Name of Conveying party(ies) (e.g. inventor(s)):

Hiroyuki SONOBE  
Hisayoshi TAKAHASHI  
Katsuhiko SUZUKI  
Katsutoshi OHTA  
Masashi HIRABAYASHI

*NRD*  
*6-23-98*

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

Mitsubishi Heavy Industries, Ltd.  
5-1, Marunouchi 2-chome, Chiyoda-ku  
Tokyo, Japan

3. Nature of Conveyance:

☒ Assignment  
☐ Security Agreement  
☐ Merger  
☐ Change of Name  
☒ Other Correction to assignee's address thereby  
corresponding to the address on the executed  
Assignment

Execution Date (e.g., Assignment): August 28, 1997

07/07/1998 RECORDED 000000 000000

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PATENT  
REEL: 9277 FRAME: 0477

Serial No.: 08/937,804

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

If this document is being filed together with a new patent application, the execution date(s) of the application (Declaration) is (are) \_\_\_\_\_.

A. Patent Application Number(s):

08/937,804

B. Patent Number(s):

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

Birch, Stewart, Kolasch & Birch, LLP  
P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

6. Total number of applications and patents involved: 1

7. X The recording fee in the amount of \$40.00 is enclosed.

8.      Please charge Deposit Account No. 02-2448 in the amount of \$\_\_\_\_\_. A duplicate copy of this request is enclosed.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16-1.21(h); particularly, extension of time fees.

Serial No.: 08/937,804

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.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Date: June 23, 1998

By

James T. Eller, Jr.  
James T. Eller, Jr.  
Reg. No. 39,538

P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

JTE/blh

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET,  
ATTACHMENTS, AND DOCUMENT: 8

Rev. 12/9/97  
J:\ASIGNREC.21

12-10-1997



PATENT

IN 1. 100587343 MARK OFFICE

Applicant(s): HIROYUKI SONOBE, HISAYOSHI TAKAHASHI, KATSUHIKO SUZUKI  
KATSUTOSHI OHTA, MASASHI HIRABAYASHI

Serial No.:

Group:

Filed: September 25, 1997

Examiner:

For: DRIVING UNIT FOR AN ELECTRIC MOTOR DRIVEN BICYCLE

Date: September 25, 1997

Docket No.: 0965-0212P

RECORDING OF ASSIGNMENT

Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

Sir:

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies) (e.g. inventor(s)):

SONOBE, HIROYUKI,  
TAKAHASHI, HISAYOSHI; SUZUKI, KATSUHIKO  
OHTA, KATSUTOSHI; HIRABAYASHI, MASASHI

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

Mitsubishi Heavy Industries, Ltd.  
*Chiyoda-Ky.*  
5-1, Marunouchi 2-chome, Chiyoda-Ky.  
Tokyo, Japan

05/1997 JARTIS 00000035 08937304  
FC:581 40.00 14

PATENT  
REEL: 9277 FRAME: 0480

## 3. Nature of Conveyance:

- ☒ Assignment  
☐ Security Agreement  
☐ Merger  
☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: August 28, 1997

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

If this document is being filed together with a new patent application, the execution date(s) of the application is (are) August 28, 1997

## A. Patent Application No.(s):

08/432804

## B. Patent No.(s):

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

Birch, Stewart, Kolasch & Birch, LLP  
P. O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

6. Total Number of applications and patents involved: One (1)7. ☒ The recording fee in the amount of \$ 40.00 is enclosed.

8. — Please charge Deposit Account No. 02-2448 in the amount of \$\_\_\_\_\_. A duplicate copy of this request is enclosed.
9. X The Commissioner is hereby authorized to charge any fees under 37 C.F.R. Sections 1.16-1.21(h) which may be required, or credit any overpayment to Deposit Account No. 02-2448.

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.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Date: September 25, 1997

By *Terrell C. Birch*  
for TERRELL C. BIRCH  
Reg. No. 19,382  
P. O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

/sas

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET,  
ATTACHMENTS, AND DOCUMENT: 05

(Rev. 12/21/93)

**ASSIGNMENT**

Application No. New

Filed Sept. 25, 1997

Insert Name(s)  
of Inventor(s)

WHEREAS, Hiroyuki SONOBE

Hisayoshi TAKAHASHI

Katsuhiko SUZUKI

Katsutoshi OHTA

Masashi HIRABAYASHI

Insert Title  
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in \_\_\_\_\_

DRIVING UNIT FOR AN ELECTRIC MOTOR DRIVEN BICYCLE

for which an application for Letters Patent of the United States of America has been executed by the undersigned

Insert Date  
of Signing of  
Application

on August 28, 1997 : and

WHEREAS, Mitsubishi Heavy Industries, Ltd.

Insert Name  
of Assignee

Insert Address  
of Assignee

of 5-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the

CHECK  
ONE BOX

- (1) ☒ United States of America only; or  
(2) ☐ United States of America and any and all foreign countries

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in:

1. the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, if box (1) above is designated;

or

2. the United States of America, its territories, dependencies and possessions and in any and all foreign countries and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions and in any and all foreign countries, if box (2) above is designated;

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

**PATENT**

**REEL: 9277 FRAME: 0483**

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and/or any and all foreign countries to issue any and all Letters Patents resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch and Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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

Date Aug. 28, 1997, Name of Inventor Hiroyuki Sonobe (SEAL)  
(signature) Hiroyuki SONOBE

Date Aug. 28, 1997, Name of Inventor Hisayoshi Takahashi (SEAL)  
(signature) Hisayoshi TAKAHASHI

Date Aug. 28, 1997, Name of Inventor Katsuhiko Suzuki (SEAL)  
(signature) Katsuhiko SUZUKI

Date Aug. 28, 1997, Name of Inventor Katsutoshi Ohta (SEAL)  
(signature) Katsutoshi OHTA

Date Aug. 28, 1997, Name of Inventor Marashi Hirabayashi (SEAL)  
(signature) Marashi HIRABAYASHI

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_ (SEAL)  
(signature)

The execution by the Inventor(s) of this assignment may be witnessed by at least two other persons who sign here.

Witness Masayoshi Takano

Witness Teruaki Inagaki PATENT

REEL: 9277 FRAME: 0484





965-212

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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JANUARY 22, 1998

PTAS

BIRCH, STEWART, KOLASCH & BIRCH, LLP  
TERRELL C. BIRCH  
P. O. BOX 747  
FALLS CHURCH, VA 22040-0747



\*100587343A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/25/1997

REEL/FRAME: 8830/0526

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SONOBE, HIROYUKI

DOC DATE: 08/28/1997

ASSIGNOR:

TAKAHASHI, HISAYOSHI

DOC DATE: 08/28/1997

ASSIGNOR:

SUZUKI, KATSUHIKO

DOC DATE: 08/28/1997

ASSIGNOR:

OHATA, KATSUTOSHI

DOC DATE: 08/28/1997

ASSIGNOR:

HIRABAYASHI, MASASHI

DOC DATE: 08/28/1997

ASSIGNEE:

MITSUBISHI HEAVY INDUSTRIES, LTD.  
5-1, MARUNOUCHI 2-CHOME, CHIYODA-KU  
TOKYO, JAPAN

PATENT  
REEL: 9277 FRAME: 0485

8830/0526 PAGE 2

SERIAL NUMBER: 08937804  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SHARMALLA SIMPSON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

RECORDED: 06/23/1998

PATENT  
REEL: 9277 FRAME: 0486