



09-21-2001



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U.S. Department of Commerce  
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**PATENT**

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Document ID#   
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**Conveyance Type**

☒ Assignment ☐ Security Agreement  
☐ License ☐ Change of Name  
☐ Merger ☐ Other   
**U.S. Government**  
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☐ Departmental File ☐ Secret File

**Conveying Party(ies)**

☒ Mark if additional names of conveying parties attached  
Execution Date  
Month Day Year

Name (line 1) Honami Osawa

08082001

Name (line 2)

**Second Party**

Name (line 1) Munenori Takakuwa

Execution Date  
Month Day Year  
08082001

Name (line 2)

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1) Sanyo Denki Co., Ltd.

Name (line 2)

Address (line 1) 15-1, 1-chome, Kitaotsuka

Address (line 2)

Address (line 3) Toshima-ku

City

Tokyo, Japan

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

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**PATENT**  
**REEL: 012170 FRAME: 0629**

**Correspondent Name and Address**

Area Code and Telephone Number

(216) 566-9700

Name David E. Spaw

Address (line 1) Rankin, Hill, Porter & Clark LLP

Address (line 2) 700 Huntington Building

Address (line 3) 925 Euclid Avenue

Address (line 4) Cleveland, Ohio 44115-1405

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# 3

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09/943,135

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number

only if a U.S. Application Number has not been assigned.

PCT

PCT

PCT

PCT

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**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:

Deposit Account

Enclosed ☒

Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 18-0160

Authorization to charge additional fees:

Yes ☒ No ☐

**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. Charges to deposit account are authorized, as indicated herein.

David E. Spaw

Name of Person Signing



Signature

September 14, 2001

Date

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

Conveying Party(ies)

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Enter additional Conveying Parties

Name (line 1) Ryuji Kobayashi

Execution Date  
Month Day Year

08082001

Name (line 2)

Execution Date  
Month Day Year

Name (line 1) Yukio Ouchi

08082001

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)



## ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

### ROTARY ELECTRIC MACHINE

and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office, and executed by the undersigned on the date(s) indicated below, which application is further identified as Rankin, Hill, Porter & Clark LLP Docket No. NIS-12651.

WHEREAS, Sanyo Denki Co., Ltd., a corporation of Japan, and having a place of business at 15-1, 1-chome, Kitaotsuka, Toshima-ku, Tokyo, Japan, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Rankin, Hill, Porter & Clark 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 United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

(1) Inventor Name (sole or joint): Honami OSAWA  
Signature: Honami Osaawa  
Today's Date : August 8, 2001  
Date I Signed Declaration: August 8, 2001

Witness: Yoshihiko Aizawa  
Witness: Masato Murata

(2) Inventor Name (joint): Munenori TAKAKUWA  
Signature: Munenori Takakura  
Today's Date : August 8, 2001  
Date I Signed Declaration: August 8, 2001

Witness: Yoshihiko Aizawa  
Witness: Masato Murata

(3) Inventor Name (joint): Ryuji KOBAYASHI  
Signature: Ryuji Kobayashi  
Today's Date : August 8, 2001  
Date I Signed Declaration: August 8, 2001

Witness: Yoshihiko Aizawa  
Witness: Masato Murata

(4) Inventor Name (joint): Yukio OUCHI  
Signature: Yukio Ouchi  
Today's Date : August 8, 2001  
Date I Signed Declaration: August 8, 2001

Witness: Yoshihiko Aizawa

Witness: Masato Murata

(5) Inventor Name (joint): \_\_\_\_\_  
Signature: \_\_\_\_\_  
Today's Date : \_\_\_\_\_  
Date I Signed Declaration: \_\_\_\_\_

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

(6) Inventor Name (joint): \_\_\_\_\_  
Signature: \_\_\_\_\_  
Today's Date : \_\_\_\_\_  
Date I Signed Declaration: \_\_\_\_\_

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_