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**PATENT**

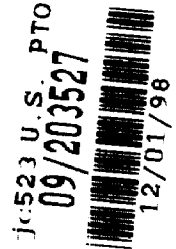
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of  
Yoshihiro IKAWA et al.

Serial No.: New Application

Filed: December 1, 1998

For: SPINDLE MOTOR AND ITS MANUFACTURING METHOD



**ASSIGNMENT TRANSMITTAL LETTER**

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir:

Please record the attached Assignment in the name of the assignor and the assignee as indicated below and return the original document to the undersigned.

1. Name of Conveying Party(ies):

Yoshihiro IKAWA, Teruyuki TAKIZAWA and Kenji AKIMARU.

2. Name and Address of Receiving Party(ies):

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
1006, Oaza Kadoma, Kadoma-shi, Osaka-fu,  
571-8501 JAPAN.

3. Execution Date of Assignment: November 30, 1998.

4. If this Assignment is being filed together with a new application, the execution date of the application is:  
November 30, 1998.

**PATENT**  
**REEL: 9632 FRAME: 0412**

5. Total number of applications and patents involved: one.

All correspondence should be addressed to:

Roger W. Parkhurst  
PARKHURST & WENDEL, L.L.P.  
Suite 210  
1421 Prince Street  
Alexandria, VA 22314-2805.

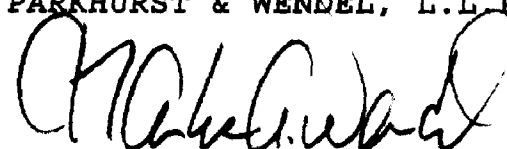
The Assignment recordation fee (\$40.00) is covered by our attached Check Number 11085.

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. Total number of pages including cover sheet, attachments and document 3.

If there should be any questions concerning the amount of the fee or should our check become detached, please debit or credit our Deposit Account Number 16-0331 as needed in order to effect proper filing of the attached document.

Respectfully submitted,

PARKHURST & WENDEL, L.L.P.



Charles A. Wendel  
Registration No. 24,453

December 1, 1998  
Date

CAW/ch  
Attorney Docket No. YMOR:110

PARKHURST & WENDEL, L.L.P.  
1421 Prince Street, Suite 210  
Alexandria, Virginia 22314-2805  
Telephone: (703) 739-0220  
(rev.4/96)

# ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Yoshihiro Ikawa (5) \_\_\_\_\_  
 (2) Teruyuki Takizawa (6) \_\_\_\_\_  
 (3) Kenji Akimaru (7) \_\_\_\_\_  
 (4) \_\_\_\_\_ (8) \_\_\_\_\_

In consideration of the sum of dollar (\$1.00) and other good and valuable consideration 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) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
 (10) Insert address of Assignee (10) 1006, Oaza Kadoma, Kadoma-shi, Osaka-fu, 571-8501 Japan  
 (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as  
 (11) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (11) SPINDLE MOTOR AND ITS MANUFACTURING METHOD  
 \_\_\_\_\_ (Case No. \_\_\_\_\_)

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

(12) Insert Date of Signing of Application (12 on November 30, 1998  
 (13) Alternative identification for filed applications (13) U.S. application Serial Number \_\_\_\_\_  
 filed \_\_\_\_\_

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

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 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 a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisions or continuing applications thereof 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 agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of PARKHURST & WENDEL, L.L.P. 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 recordation of this document.

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

Date <u>November 30, 1998</u>	Name of Inventor <u>Yoshihiro Ikawa</u> (SEAL)
Date <u>November 30, 1998</u>	Name of Inventor <u>Teruyuki Takizawa</u> (SEAL)
Date <u>November 30, 1998</u>	Name of Inventor <u>Kenji Akimaru</u> (SEAL)
Date _____	Name of Inventor _____ (SEAL)
Date _____	Name of Inventor _____ (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. or (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 <u>November 30, 1998</u>	Witness <u>Junichi Murai</u>
Date <u>November 30, 1998</u>	Witness <u>Seizo Kuji</u>

ASSIGN

RECORDED: 12/01/1998

PATENT  
REEL: 9632 FRAME: 0414