



To the Honor: 100970124

s: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): <b>Shinya TAKAGI, Akira YOSHIDA, Masafumi SATOMURA</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: <b>Sharp Kabushiki Kaisha</b> Internal Address: Street Address: <b>22-22, Nagaike-Cho, Abeno-ku, Osaka-shi</b> City: <b>Osaka</b> State: ZIP: Country: <b>Japan</b> Postal Code: Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <b>2-18-99</b></p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other: <b>Correction of third assignor's name to "Masafumi SATOMURA", thereby corresponding to the name on the executed Assignment</b></p> <p>Execution Date: <b>October 29, 1997</b></p>	
<p>4. Application number(s) or patent number(s): 08/961,429</p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <p>A. Patent Application No(s). <b>08/961,429</b> B. Patent No.(s)</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP</b> Internal Address: Street Address: <b>P.O. BOX 747</b> City: <b>FALLS CHURCH</b> State: <b>VA</b> ZIP: <b>22040-0747</b> Country: <b>USA</b></p>	<p>6. Total number of applications and patents involved: <b>1</b> 7. Total fee (37 C.F.R. § 3.41): <b>\$40.00</b> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <b>02-2448</b>  (Attach triplicate copy of this page if paying by deposit account)</p>
<p>02/22/1999 JSHBAZZ 00000145 08961429 01 FC:581 <del>40.00 00</del> DO NOT USE THIS SPACE <b>40E</b></p> <p>9. Statement and signature. <i>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</i></p> <p><u>James T. Eller, Jr., #39,538</u>      <u>James T. Eller, Jr.</u>      <u>February 18, 1999</u> Name of Person Signing/Reg. No.      Signature      Date</p> <p>Total number of pages including cover sheet, attachments, and document: <b>14</b></p>	

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, DC 20231



07-09-1998

6-23-98



100757566

BOX ASSIGNMENTS  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Shinya TAKAGI et al.  
 Serial No.: 08/961,429 Group: 3405  
 Filed: October 30, 1997 Examiner: Unknown  
 For: ELECTRIC WASHING MACHINE INCLUDING WASHING  
 TANK AND AGITATOR WHICH ROTATE IN OPPOSITE  
 DIRECTIONS

Date: June 23, 1998

Docket No.: 33-577P

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)):

Shinya TAKAGI  
 Akira YOSHIDA  
 Masafumi ~~SATOMORA~~ SATOMURA

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

Sharp Kabushiki Kaisha  
 22-22, Nagaike-Cho  
 Abeno-ku, Osaka-shi  
 Osaka, 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): October 29, 1997

07/08/1998 DCDATES 00000117 08961429 40.00 DP  
 01 FC:501

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):

08/961,429

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.

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. <sup>Reg. No. 39,538</sup>  
*for* Terrell C. Birch  
Reg. No. 19,382

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Falls Church, VA 22040-0747  
(703) 205-8000

TCB/JTE/blh

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

ASSIGNMENT

Application No. 08/961,429

Filed 10/30/1997

WHEREAS, Shinya TAKAGI, Akira YOSHIDA, and Masafumi SATOMURA

Insert Name(s)  
of Inventor(s)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Insert Title  
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in \_\_\_\_\_  
ELECTRIC WASHING MACHINE INCLUDING WASHING TANK AND  
AGITATOR WHICH ROTATE IN OPPOSITE DIRECTIONS

Insert Date  
of Signing of  
Application

for which an application for Letters Patent of the United States of America has been executed by the undersigned  
on October 29, 1997 ; and

Insert Name  
of Assignee

WHEREAS, Sharp Kabushiki Kaisha  
\_\_\_\_\_

Insert Address  
of Assignee

of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka, 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.

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, Kolach 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 October 29, 1997, Name of Inventor Shinya Takagi (SEAL)  
(signature) (Shinya TAKAGI)

Date October 29, 1997, Name of Inventor Akira Yoshida (SEAL)  
(signature) (Akira YOSHIDA)

Date October 29, 1997, Name of Inventor M. Satomura (SEAL)  
(signature) (Masafumi SATOMURA)

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

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

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 Toshio Morita (Toshio MORITA)

Witness Hachiro Morishita (Hachiro MORISHITA)