

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:  | NEW ASSIGNMENT               |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
|---|------------------------------|---------------|------------------------|---------------------|------------------------------|-------------------|------------|-------|-------|----------------|-------|--------------|----------|
| NATURE OF CONVEYANCE:   | ASSIGNMENT                   |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| CONVEYING PARTY DATA  |                              |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kan MUKAI</td> <td>01/13/2012</td> </tr> <tr> <td>Yoshiharu YONEDA</td> <td>01/13/2012</td> </tr> </tbody> </table>   |                              | Name          | Execution Date         | Kan MUKAI           | 01/13/2012                   | Yoshiharu YONEDA  | 01/13/2012 |       |       |                |       |              |          |
| Name  | Execution Date               |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| Kan MUKAI   | 01/13/2012                   |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| Yoshiharu YONEDA  | 01/13/2012                   |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| RECEIVING PARTY DATA  |                              |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| <table border="1"> <tr> <td>Name:</td> <td>Sharp Kabushiki Kaisha</td> </tr> <tr> <td>Street Address:</td> <td>22-22, Nagaike-cho, Abeno-ku</td> </tr> <tr> <td>Internal Address:</td> <td>Osaka-shi</td> </tr> <tr> <td>City:</td> <td>Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>545-8522</td> </tr> </table>  |                              | Name:         | Sharp Kabushiki Kaisha | Street Address:     | 22-22, Nagaike-cho, Abeno-ku | Internal Address: | Osaka-shi  | City: | Osaka | State/Country: | JAPAN | Postal Code: | 545-8522 |
| Name:   | Sharp Kabushiki Kaisha       |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| Street Address:   | 22-22, Nagaike-cho, Abeno-ku |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| Internal Address:   | Osaka-shi                    |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| City:   | Osaka                        |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| State/Country:  | JAPAN                        |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| Postal Code:  | 545-8522                     |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| PROPERTY NUMBERS Total: 1   |                              |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13356911</td> </tr> </tbody> </table>   |                              | Property Type | Number                 | Application Number: | 13356911                     |                   |            |       |       |                |       |              |          |
| Property Type   | Number                       |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| Application Number:   | 13356911                     |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| CORRESPONDENCE DATA   |                              |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| <p>Fax Number: (216)621-6165<br/>         Phone: 2166211113<br/>         Email: dprice@rennerotto.com<br/> <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Debbie Price<br/>         Address Line 1: 1621 Euclid Avenue<br/>         Address Line 2: Nineteenth Floor<br/>         Address Line 4: Cleveland, OHIO 44115</p> |                              |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| ATTORNEY DOCKET NUMBER:   | APAOP0162US                  |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| NAME OF SUBMITTER:  | Mark D. Saralino             |               |                        |                     |                              |                   |            |       |       |                |       |              |          |
| Total Attachments: 2<br>source=P0162US-ExeAssn#page1.tif<br>source=P0162US-ExeAssn#page2.tif  |                              |               |                        |                     |                              |                   |            |       |       |                |       |              |          |

OP \$40.00 13356911

**ASSIGNMENT**

WHEREAS:

NAME(S) AND  
ADDRESS(ES) OF  
INVENTOR(S)

Kan MUKAI  
c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka  
545-8522 Japan

Yoshiharu YONEDA  
c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka  
545-8522 Japan

(hereinafter referred to as ASSIGNOR), have invented a certain invention entitled:

TITLE OF  
INVENTION

**FIXING DEVICE AND IMAGE FORMING APPARATUS PROVIDED WITH  
FIXING DEVICE**

for which application for Letters Patent of the United States has been:

PARTICULARS OF  
APPLICATION

[ X ] executed concurrently herewith,  
[ ] filed under U.S. Application No. 13/356,911 on 01/24/2012, or  
[ ] filed under Express Mail Label No. \_\_\_\_\_ on \_\_\_\_\_.

WHEREAS:

NAME, STATE OF  
INCORPORATION  
AND ADDRESS OF  
ASSIGNEE

SHARP KABUSHIKI KAISHA  
22-22, Nagaike-cho, Abeno-ku, Osaka-shi  
Osaka 545-8522 Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention (including all inventions should said application be deemed to include multiple inventions).

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that ASSIGNOR has the full power to make this assignment and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and that ASSIGNOR will testify as to the same in any legal proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce patent protection for said invention in all countries.

I authorize the patent attorney of record and/or having power of attorney in the U.S. patent application identified above to insert the serial number and filing date information for the patent application in the appropriate spaces in this assignment document when that information becomes available.

Attorney Docket No.

FULL NAME(S) OF  
INVENTOR(S)

Date Jan. 13, 2012

Kan Mukai  
Kan MUKAI

Date Jan. 13, 2012

Yoshiharu Yoneda  
Yoshiharu YONEDA