

PATENT ASSIGNMENT

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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>Chikao YAMASAKI</td> <td>06/07/2012</td> </tr> <tr> <td>Tetsuo KIKUCHI</td> <td>06/07/2012</td> </tr> <tr> <td>Shinya TANAKA</td> <td>06/07/2012</td> </tr> <tr> <td>Junya SHIMADA</td> <td>06/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	Chikao YAMASAKI	06/07/2012	Tetsuo KIKUCHI	06/07/2012	Shinya TANAKA	06/07/2012	Junya SHIMADA	06/07/2012
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<table border="1"> <tr> <td>Name:</td> <td>Sharp Kabushiki Kaisha</td> </tr> <tr> <td>Street Address:</td> <td>22-22, Nagaïke-cho</td> </tr> <tr> <td>City:</td> <td>Abeno-ku, Osaka-shi, 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, Nagaïke-cho	City:	Abeno-ku, Osaka-shi, Osaka	State/Country:	JAPAN	Postal Code:	545-8522
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CORRESPONDENCE DATA											
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ATTORNEY DOCKET NUMBER:	70404.951/YA										
NAME OF SUBMITTER:	Maura Florimonte										
Total Attachments: 2 source=70404-951-PTO-20120608-Assignment#page1.tif source=70404-951-PTO-20120608-Assignment#page2.tif											

OP \$40.00 13511661

Attorney Docket No.: 70404.951/ya

ASSIGNMENT (WORLDWIDE)

WHEREAS, We, **Chikao YAMASAKI, Tetsuo KIKUCHI, Shinya TANAKA, and Junya SHIMADA** (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled **SHIFT REGISTER AND DISPLAY APPARATUS** for which application for Letters Patent of the United States has been

_____ executed on even date herewith;
 filed on 05-24-12 as Serial No. 13/511,661.

WHEREAS, **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 and the United States Letters Patent to be obtained therefore;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to the said invention and all Letters Patent of the United States to be obtained therefore 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; and all Letters Patent and applications therefore through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

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 will testify as to the same in any interference or litigation 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 said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Dated: JUN. - 7. 2012

Chikao Yamasaki
Chikao YAMASAKI

Dated: JUN. - 7. 2012

Tetsuo Kikuchi
Tetsuo KIKUCHI

Dated: JUN. - 7. 2012

Shinya Tanaka
Shinya TANAKA

Dated: JUN. - 7. 2012

Junya Shimada
Junya SHIMADA