

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>Ken KUBOKI</td> <td>07/26/2013</td> </tr> <tr> <td>Akira SHIBAZAKI</td> <td>07/26/2013</td> </tr> <tr> <td>Satomi HASEGAWA</td> <td>07/26/2013</td> </tr> <tr> <td>Hiroshi TSUCHIYA</td> <td>07/26/2013</td> </tr> <tr> <td>Yusuke NISHIHARA</td> <td>07/26/2013</td> </tr> <tr> <td>Taichi SASAKI</td> <td>07/26/2013</td> </tr> <tr> <td>Seiji TANUMA</td> <td>07/26/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ken KUBOKI	07/26/2013	Akira SHIBAZAKI	07/26/2013	Satomi HASEGAWA	07/26/2013	Hiroshi TSUCHIYA	07/26/2013	Yusuke NISHIHARA	07/26/2013	Taichi SASAKI	07/26/2013	Seiji TANUMA	07/26/2013
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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, Abeno-ku</td> </tr> <tr> <td>City:</td> <td>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, Abeno-ku	City:	Osaka-shi, Osaka	State/Country:	JAPAN	Postal Code:	545-8522						
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CORRESPONDENCE DATA																	
Fax Number:	7035185499																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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ATTORNEY DOCKET NUMBER:	5473-006																

OP \$40.00 14001137

NAME OF SUBMITTER:	Benjamin J. Hauptman
Signature:	/Benjamin J. Hauptman/
Date:	08/22/2013
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- | | |
|--------------------|---------------------|
| 1) Ken KUBOKI | 4) Hiroshi TSUCHIYA |
| 2) Akira SHIBAZAKI | 5) Yusuke NISHIHARA |
| 3) Satomi HASEGAWA | 6) Taichi SASAKI |
| | 7) Seiji TANUMA |

who has made a certain new and useful invention, hereby sells, assigns and transfers unto

Sharp Kabushiki Kaisha

having a place of business at **22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan**

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

Liquid Crystal Display Apparatus

- (a) for which an application for United States Letters Patent was filed on August 22, 2013, and identified by United States Patent Application No. 14/001,137; or
- (b) for which an application for United States Letters Patent was executed on _____,

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

1) <u>Ken Kuboki</u> Name: Ken KUBOKI	<u>July 26, 2013</u> Date:
2) <u>Akira Shibazaki</u> Name: Akira SHIBAZAKI	<u>July 26, 2013</u> Date:
3) <u>Satomi Hasegawa</u> Name: Satomi HASEGAWA	<u>July 26, 2013</u> Date:

Docket No.: _____

4) Hiroshi Tsuchiya
Name: Hiroshi TSUCHIYA

July 26, 2013
Date:

5) Yusuke Nishihara
Name: Yusuke NISHIHARA

July 26, 2013
Date:

6) Taichi Sasaki
Name: Taichi SASAKI

July 26, 2013
Date:

7) _____
Name: Seiji TANUMA

Date:

Docket No.: _____

4) _____
Name: Hiroshi TSUCHIYA

Date:

5) _____
Name: Yusuke NISHIHARA

Date:

6) _____
Name: Taichi SASAKI

Date:

7) Seiji Tanuma
Name: Seiji TANUMA

Date: July 26, 2013