

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>Mitsuaki HIRATA</td> <td>07/17/2012</td> </tr> <tr> <td>Masae KITAYAMA</td> <td>07/13/2012</td> </tr> <tr> <td>Kenichi HYOHDOH</td> <td>07/18/2012</td> </tr> <tr> <td>Ikumi ITSUMI</td> <td>07/18/2012</td> </tr> <tr> <td>Yuki YAMASHITA</td> <td>07/18/2012</td> </tr> <tr> <td>Akane SUGISAKA</td> <td>07/18/2012</td> </tr> <tr> <td>Fumikazu SHIMOSHIKIRYOH</td> <td>07/18/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mitsuaki HIRATA	07/17/2012	Masae KITAYAMA	07/13/2012	Kenichi HYOHDOH	07/18/2012	Ikumi ITSUMI	07/18/2012	Yuki YAMASHITA	07/18/2012	Akane SUGISAKA	07/18/2012	Fumikazu SHIMOSHIKIRYOH	07/18/2012
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CORRESPONDENCE DATA																	
Fax Number:	5713137421																
Phone:	5713137440																
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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.																	
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Address Line 2:	Suite 200																
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OP \$40.00 13575696

ATTORNEY DOCKET NUMBER:	70404.1162/OK
NAME OF SUBMITTER:	Maura Florimonte
Total Attachments: 2 source=70404-1162-PTO-20120829-Assignment#page1.tif source=70404-1162-PTO-20120829-Assignment#page2.tif	

ASSIGNMENT (WORLDWIDE)

WHEREAS, We, Mitsuaki HIRATA, Masae KITAYAMA, Kenichi HYOHDOH, Ikumi ITSUMI, Yuki YAMASHITA, Akane SUGISAKA and Fumikazu SHIMOSHIKIRYOH (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled **LIQUID CRYSTAL DISPLAY DEVICE**,

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

_____ executed on even date herewith;
X filed on 07-27-12 as Serial No. 13/575,696.

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 therefor;

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 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; and all Letters Patent and applications therefor 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: July 17, 2012

Mitsuaki Hirata
(Mitsuaki HIRATA)

Dated: July 13, 2012

Masae Kitayama
(Masae KITAYAMA)

Dated: July 18, 2012

Kenichi Hyodo
(Kenichi HYOHDOH)

Dated: July 18, 2012

Ikumi Itsumi
(Ikumi ITSUMI)

Dated: July 18, 2012

Yuki Yamashita
(Yuki YAMASHITA)

Dated: July 18, 2012

Akane Sugisaka
(Akane SUGISAKA)

Dated: July 18, 2012

Fumikazu Shimoshikiryo
(Fumikazu SHIMOSHIKIRYOH)