

## 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>Michiko TAKEI</td> <td>04/25/2012</td> </tr> <tr> <td>Tohru OKABE</td> <td>04/25/2012</td> </tr> <tr> <td>Tetsuya AITA</td> <td>04/25/2012</td> </tr> <tr> <td>Tsuyoshi INOUE</td> <td>04/25/2012</td> </tr> <tr> <td>Yoshiyuki HARUMOTO</td> <td>04/25/2012</td> </tr> <tr> <td>Takeshi YANEDA</td> <td>04/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Michiko TAKEI	04/25/2012	Tohru OKABE	04/25/2012	Tetsuya AITA	04/25/2012	Tsuyoshi INOUE	04/25/2012	Yoshiyuki HARUMOTO	04/25/2012	Takeshi YANEDA	04/25/2012
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CORRESPONDENCE DATA															
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OP \$40.00 13510315

NAME OF SUBMITTER:

Maura Florimonte

Total Attachments: 2

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**ASSIGNMENT (WORLDWIDE)**

WHEREAS, We, Michiko TAKEI, Tohru OKABE, Tetsuya AITA, Tsuyoshi INOUE, Yoshiyuki HARUMOTO and Takeshi YANEDA (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled **METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE, SEMICONDUCTOR DEVICE, AND DISPLAY DEVICE,** for which application for Letters Patent of the United States has been

     executed on even date herewith;  
  x   filed on 05-17-12 as Serial No. 13/510,315.

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: April 25, 2012

Michiko Takei  
(Michiko TAKEI)

Dated: April 25, 2012

Tohru Okabe  
(Tohru OKABE)

Dated: April 25, 2012

Tetsuya Aita  
(Tetsuya AITA)

Dated: April 25, 2012

Tsuyoshi Inoue  
(Tsuyoshi INOUE)

Dated: April 25, 2012

Yoshiyuki Harumoto  
(Yoshiyuki HARUMOTO)

Dated: April 25, 2012

Takeshi Yaneda  
(Takeshi YANEDA)