

## 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>Yoshiyuki HARUMOTO</td> <td>07/06/2012</td> </tr> <tr> <td>Takeshi HARA</td> <td>07/03/2012</td> </tr> <tr> <td>Tohru OKABE</td> <td>07/03/2012</td> </tr> <tr> <td>Takeshi YANEDA</td> <td>07/03/2012</td> </tr> <tr> <td>Tetsuya AITA</td> <td>07/18/2012</td> </tr> <tr> <td>Tsuyoshi INOUE</td> <td>07/03/2012</td> </tr> <tr> <td>Michiko TAKEI</td> <td>07/03/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yoshiyuki HARUMOTO	07/06/2012	Takeshi HARA	07/03/2012	Tohru OKABE	07/03/2012	Takeshi YANEDA	07/03/2012	Tetsuya AITA	07/18/2012	Tsuyoshi INOUE	07/03/2012	Michiko TAKEI	07/03/2012
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CORRESPONDENCE DATA																	
Fax Number:	2402382825																
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OP \$40.00 13518566

ATTORNEY DOCKET NUMBER:	87427.10R02006US
NAME OF SUBMITTER:	Sayaka Karasawa
<b>Total Attachments: 4</b> source=10R02006US_Assignment#page1.tif source=10R02006US_Assignment#page2.tif source=10R02006US_Assignment#page3.tif source=10R02006US_Assignment#page4.tif	

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**THIN FILM TRANSISTOR, DISPLAY DEVICE, AND MANUFACTURING METHOD FOR THIN FILM TRANSISTOR AND DISPLAY DEVICE**

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed a PCT International Application designating the United States on December 21, 2010, (PCT International Application No. PCT/JP2010/073009); and

WHEREAS, Sharp Kabushiki Kaisha, a corporation of Japan, whose post office address is 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Power of Attorney in this application, to insert here in parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of Sole or First Assignor Yoshiyuki HARUMOTO	Assignor's Signature <i>Yoshiyuki Harumoto</i>	Date <i>July 6, 2012</i>
Address c/o Sharp Kabushiki Kaisha 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan		Citizenship Japan
Full Name of Second Assignor Takeshi HARA	Assignor's Signature	Date
Address c/o Sharp Kabushiki Kaisha 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan		Citizenship Japan
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<b>Full Name of Third Assignor</b> Tohru OKABE	Assignor's Signature <i>Tohru Okabe</i>	Date <i>July 3, 2012</i>
Address c/o Sharp Kabushiki Kaisha 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan		Citizenship Japan
<b>Full Name of Fourth Assignor</b> Takeshi YANEDA	Assignor's Signature <i>Takeshi Yanada</i>	Date <i>July 3, 2012</i>
Address c/o Sharp Kabushiki Kaisha 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan		Citizenship Japan
<b>Full Name of Fifth Assignor</b> Tetsuya AITA	Assignor's Signature	Date
Address c/o Sharp Kabushiki Kaisha 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan		Citizenship Japan
<b>Full Name of Sixth Assignor</b> Tsuyoshi INOUE	Assignor's Signature <i>Tsuyoshi Inoue</i>	Date <i>July 3, 2012</i>
Address c/o Sharp Kabushiki Kaisha 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan		Citizenship Japan
<b>Full Name of Seventh Assignor</b> Michiko TAKEI	Assignor's Signature <i>Michiko Takei</i>	Date <i>July 3, 2012</i>
Address c/o Sharp Kabushiki Kaisha 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan		Citizenship Japan

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<b>Full Name of Sole or First Assignor</b> Yoshiyuki HARUMOTO	Assignor's Signature	Date
Address c/o Sharp Kabushiki Kaisha 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan		Citizenship Japan
<b>Full Name of Second Assignor</b> Takeshi HARA	Assignor's Signature <i>Takeshi Hara</i>	Date <i>July 2, 2012</i>
Address c/o Sharp Kabushiki Kaisha 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan		Citizenship Japan
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<b>Full Name of Third Assignor</b> Tohru OKABE	Assignor's Signature	Date
Address c/o Sharp Kabushiki Kaisha 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan		Citizenship Japan
<b>Full Name of Fourth Assignor</b> Takeshi YANEDA	Assignor's Signature	Date
Address c/o Sharp Kabushiki Kaisha 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan		Citizenship Japan
<b>Full Name of Fifth Assignor</b> Tetsuya AITA	Assignor's Signature <i>Tetsuya Aita</i>	Date <i>July 18, 2012</i>
Address c/o Sharp Kabushiki Kaisha 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan		Citizenship Japan
<b>Full Name of Sixth Assignor</b> Tsuyoshi INOUE	Assignor's Signature	Date
Address c/o Sharp Kabushiki Kaisha 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan		Citizenship Japan
<b>Full Name of Seventh Assignor</b> Michiko TAKEI	Assignor's Signature	Date
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