

Form PTO-1595 (Rev. 03-11)
OMB No. 0651-0027 (exp. 04/30/2015)U.S. DEPARTMENT OF COMMERCE
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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Seiji KANEKO and Hidehito KITAKADO

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) June 11, 2012

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)Name: Sharp Kabushiki Kaisha

Internal Address: _____

Street Address: 22-22, Nagaike-cho, Abeno-ku, Osaka-shiCity: Osaka

State: _____

Country: JAPAN Zip: 545-8522Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document is being filed together with a new application.

A. Patent Application No.(s)

13/515,921

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Masao Yoshimura, Chen Yoshimura LLP

Internal Address: _____

Street Address: 333 W. El Camino RealSuite 380City: SunnyvaleState: CA Zip: 94087Phone Number: 408-530-8033Docket Number: 240-238-2825Email Address: patents@cyiplaw.com**6. Total number of applications and patents involved: 1****7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0 (paid)**

- ☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment InformationDeposit Account Number 504159Authorized User Name Masao Yoshimura**9. Signature:**/Sayaka Karasawa/
SignatureJune 15, 2012
DateSayaka Karasawa
Name of Person SigningTotal number of pages including cover sheet, attachments, and documents: 4Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 504159 13515921

ATTORNEY DOCKET NO.: 87427.10R01506US
SOLE/JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

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

SEMICONDUCTOR DEVICE, ACTIVE MATRIX SUBSTRATE 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 November 2, 2010, (PCT International Application No. PCT/JP2010/069462); 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 Seiji KANEKO	Assignor's Signature <i>Seiji Kaneko</i>	Date <i>June 11, 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 Hidehito KITAKADO	Assignor's Signature <i>Hidehito Kitakado</i>	Date <i>June 11, 2012</i>
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

PATENT

RECORDED: 06/15/2012

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