

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
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<table border="1"> <tr> <td>Name:</td> <td>KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)</td> </tr> <tr> <td>Street Address:</td> <td>2-4, WAKINOHAMA-KAIGANDORI 2-CHOME, CHUO-KU</td> </tr> <tr> <td>City:</td> <td>KOBE-SHI, HYOGO</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>6518585</td> </tr> </table>		Name:	KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)	Street Address:	2-4, WAKINOHAMA-KAIGANDORI 2-CHOME, CHUO-KU	City:	KOBE-SHI, HYOGO	State/Country:	JAPAN	Postal Code:	6518585				
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PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14113322</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14113322										
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CORRESPONDENCE DATA															
Fax Number:	(703)413-2220														
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OP \$40.00 14113322

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NAME OF SUBMITTER:	ADEL SAMUEL
Signature:	/Adel Samuel/
Date:	10/24/2013

Total Attachments: 3
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Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) Takeaki MAEDA and Toshihiro KUGIMIYA of c/o Kobe Corporate Research Laboratories in Kobe Steel, Ltd., 5-5, Takatsukadai 1-chome, Nishi-ku, Kobe-shi, Hyogo 651-2271 Japan and Jun Ho SONG of 101-601, Dongyang Jungja Paragon, Jeongja-dong, Bundang-gu, Seongnam-city, Gyeonggi-do, Korea, Je Hun LEE of 201-205, World Meridian Apt., Mok 4-dong, Yangcheon-gu, Seoul-city, Korea, Byung Du AHN of 121-302, Umirin Jeil Punggyeongchae Apt., Seoku-dong, Hwaseong-city, Gyeonggi-do, Korea and Gun Hee KIM of 969-503, Prun Maeul Sinil Happy Tree Apt., Neung-dong, Hwaseong-city, Gyeonggi-do, Korea

INSERT TITLE OF
INVENTION:

respectively, have invented certain new and useful improvements in: THIN-FILM TRANSISTOR STRUCTURE, AS WELL AS THIN-FILM TRANSISTOR AND DISPLAY DEVICE EACH HAVING SAID STRUCTURE

(Application No. 14/113,322, filed October 22, 2013), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, KABUSHIKI KAISHA KOBE SEIKO SHO (Kobe Steel, Ltd.) and Samsung Display Co., Ltd. (hereinafter referred to as "ASSIGNEES") having places of business at: 2-4, Wakinhama-Kaigandori 2-chome, Chuoku, Kobe-shi, Hyogo 6518585 Japan and 95, Samsung 2 Ro, Giheung-gu, Yongin-city, Gyeonggi-do, Korea, respectively are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

07/09

Date: September 2, 2013

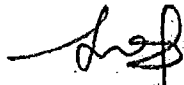
前田 剛彰

(Signature of Inventor) Takeaki MAEDA


Date: September 2, 2013

釘宮 敏洋


(Signature of Inventor) Toshihiro KUGIMIYA

Date: Oct. 21, 2013


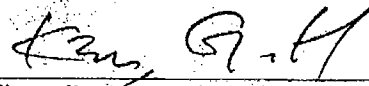
(Signature of Inventor) Jun Ho SONG

Date: Oct. 21, 2013


(Signature of Inventor) Je Hun LEE

Date: Oct. 21, 2013


(Signature of Inventor) Byung Du AHN

Date: Oct. 21, 2013


(Signature of Inventor) Gwi Hee KIM

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