

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jean-Ho SONG	07/27/2010
Shin-IL CHOI	07/27/2010
Sun-Young HONG	07/27/2010
Shi-Yul KIM	07/27/2010
Ki-Yeup LEE	07/27/2010
Jae-Hyoung YOUN	07/27/2010
Sung-Ryul KIM	07/27/2010
O-Sung SEO	07/27/2010
Yang-Ho BAE	07/27/2010
Jong-Hyun CHOUNG	07/27/2010
Dong-Ju YANG	07/27/2010
Bong-Kyun KIM	07/27/2010
Hwa-Yeul OH	07/27/2010
Pil-Soon HONG	07/27/2010
Byeong-Beom KIM	07/27/2010
Je-Hyeong PARK	07/27/2010
Yu-Gwang JEONG	07/27/2010
Jong-In KIM	07/27/2010
Nan-Seok SUH	07/27/2010

RECEIVING PARTY DATA

Name:	Samsung Electronics Co., Ltd.
Street Address:	416, Maetan-dong, Yeongtong-gu,
City:	Suwon-si, Gyeonggi-do
State/Country:	REPUBLIC OF KOREA

PROPERTY NUMBERS Total: 1

Property Type	Number

501244777

**PATENT
 REEL: 024747 FRAME: 0609**

OP \$40.00 12844356

Application Number:

12844356

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:

8071-413 (OPP20092462US)

NAME OF SUBMITTER:

Frank Chau

Total Attachments: 8

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ASSIGNMENT

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: SAMSUNG ELECTRONICS CO., LTD.

ADDRESS: 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: THIN FILM TRANSISTOR SUBSTRATE AND THE METHOD THEREOF

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. _____, or is more particularly identified as:

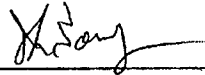
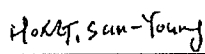
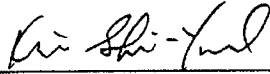
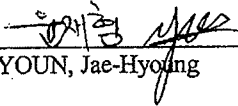
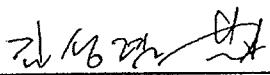
- executed on even date herewith, or
- Serial No. _____ filed in the U.S. Patent & Trademark Office on _____, or
- executed on _____,

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request Frank Chau, Reg. No. 34,136, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

	<u>INVENTOR(S)</u>	<u>Date Signed</u>
(1)	 SONG, Jean-Ho	2010. 11. 27
(2)	CHOI, Shin-Il CHOI, Shin-Il	2010. 11. 27
(3)	 HONG, Sun-Young	11. 27, 2010
(4)	 KIM, Shi-Yul	11. 27, 2010
(5)	LEE KI YEUP LEE, Ki-yeup	11. 27, 2010
(6)	 YOUN, Jae-Hyoung	2010. 11. 27
(7)	 KIM, Sung-Ryul	2010. 11. 27

(17) Jeong, Yu-Gwang
JEONG, Yu-Gwang

2010.7.21

(18) Jong In Kim
KIM, Jong-In

2010.7.21

(19) _____
SUH, Nam-Seok

ASSIGNMENT

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Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: THIN FILM TRANSISTOR SUBSTRATE AND THE METHOD THEREOF

invented by me (*if only one inventor is named below*) or us (*if more than one inventor is named below*) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. _____, or is more particularly identified as:

- executed on even date herewith, or
- Serial No. _____ filed in the U.S. Patent & Trademark Office on _____, or
- executed on _____

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said **SAMSUNG ELECTRONICS CO., LTD.**, my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request **Frank Chau, Reg. No. 34,136**, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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(1)	_____ SONG, Jean-Ho	_____
(2)	_____ CHOI, Shin- Il	_____
(3)	_____ HONG, Sun-Young	_____
(4)	_____ KIM, Shi-Yul	_____
(5)	_____ LEE, Ki-Yeup	_____
(6)	_____ YOUN, Jae-Hyoung	_____
(7)	_____ KIM, Sung-Ryul	_____

- (8) _____
SEO, O-Sung

- (9) _____
BAE, Yang-Ho

- (10) _____
CHOUNG, Jong-Hyun

- (11) _____
YANG, Dong-Ju

- (12) _____
KIM, Bong-Kyun

- (13) _____
OH, Hwa-Yeul

- (14) _____
HONG, Pil-Soon

- (15) _____
KIM, Byeong-Beom

- (16) _____
PARK, Je-Hyeong

(17) JEONG, Yu-Gwang _____

(18) KIM, Jong-In _____

(19) SUH, Nam-Seok _____ 2010. 11. 21
SUH, Nam-Seok