

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Young-Joo CHOI	04/22/2009
Bong-Kyun KIM	04/22/2009
Byeong-Jin LEE	04/22/2009
Jong-Hyun CHOUNG	04/22/2009
Sun-Young HONG	04/22/2009
Nam-Seok SUH	04/22/2009
Hong-Sick PARK	04/22/2009
Ky-Sub KIM	03/31/2009
Seung-Yong LEE	03/31/2009
Joon-Woo LEE	03/31/2009
Young-Chul PARK	03/31/2009
Young-Jun JIN	03/31/2009
Seung-Jae YANG	03/31/2009
Hyun-Kyu LEE	03/31/2009
Sang-Hoon JANG	03/31/2009
Min-Ki LIM	03/31/2009

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

Name:	Dongwoo Fine-Chem Co., Ltd.
Street Address:	740-30 Sinheung-dong,
City:	Iksan-si, Jeollabuk-do,
State/Country:	REPUBLIC OF KOREA

PROPERTY NUMBERS Total: 1

OP \$40.00 12432437

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PATENT
REEL: 022615 FRAME: 0431

Property Type	Number
Application Number:	12432437
<p>CORRESPONDENCE DATA</p> <p>Fax Number: (516)692-8889 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 516-692-8888</p> <p>Email: gonta@chauiplaw.com</p> <p>Correspondent Name: F. CHAU & ASSOCIATES, LLC</p> <p>Address Line 1: 130 WOODBURY ROAD</p> <p>Address Line 4: WOODBURY, NEW YORK 11797</p>	
ATTORNEY DOCKET NUMBER:	8071-383 (OPP20082221US)
NAME OF SUBMITTER:	Frank Chau
<p>Total Attachments: 4</p> <p>source=8071-383-assignment_20090429153146#page1.tif</p> <p>source=8071-383-assignment_20090429153146#page2.tif</p> <p>source=8071-383-assignment_20090429153146#page3.tif</p> <p>source=8071-383-assignment_20090429153146#page4.tif</p>	

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 Assignees are
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

and,

ASSIGNEE: DONGWOO FINE-CHEM CO., LTD.

ADDRESS: 740-30 Sinheung-dong, Iksan-si, Jeollabuk-do, Korea

Who are my Assignees, and to the successes and assigns of my Assignees, 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: **ETCHANT COMPOSITION, AND METHOD OF FABRICATING METAL
PATTERN AND THIN FILM TRANSISTOR ARRAY PANEL USING THE SAME**

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. 8071-383/sla, 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.**,
and **DONGWOO FINE-CHEM CO., LTD.**, my Assignees, 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
Assignees, 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 Assignees;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to

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issue said Patent or Patents to the Assignees, 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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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)	<u>CHOI, Young-Joo</u> CHOI, Young-Joo	<u>April 22, 2009</u>
(2)	<u>KIM Bong Kyun</u> KIM, Bong-Kyun	<u>April 22, 2009</u>
(3)	<u>LEE, Byeong Jin</u> LEE, Byeong-Jin	<u>April 22, 2009</u>
(4)	<u>CHOUNG, Jong-Hyun</u> CHOUNG, Jong-Hyun	<u>April 22, 2009</u>
(5)	<u>Hong, Sun-Young</u> HONG, Sun-Young	<u>April 22, 2009</u>
(6)	<u>SUH, Nam-Seok</u> SUH, Nam-Seok	<u>April 22, 2009</u>
(7)	<u>Park, Hong-Sick</u> PARK, Hong-Sick	<u>April 22, 2009</u>

- (8) KySub, Kmr 31/03/2009
KIM, Ky-Sub
- (9) Lee SeungYong 31/03/2009
LEE, Seung-Yong
- (10) Lee Joon-Woo 31/03/2009
LEE, Joon-Woo
- (11) Park Young Chul 31/03/2009
PARK, Young-Chul
- (12) Jun Young Jun 31/03/2009
JIN, Young-Jun
- (13) Yang, Seung Jae 31/03/2009
YANG, Seung-Jae
- (14) Lee, Hyun kyu 31/03/2009
LEE, Hyun-Kyu
- (15) Jang Sang Hoon 31/03/2009
JANG, Sang-Hoon
- (16) LIM Min-ki 31/3/2009
LIM, Min-Ki