

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>SANG-UK HAN</td> <td>06/11/2012</td> </tr> <tr> <td>JEONG-KYU HA</td> <td>06/11/2012</td> </tr> <tr> <td>YOUNGSHIN KWON</td> <td>06/11/2012</td> </tr> <tr> <td>SEUNG HWAN KIM</td> <td>06/11/2012</td> </tr> <tr> <td>KWANJAI LEE</td> <td>06/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	SANG-UK HAN	06/11/2012	JEONG-KYU HA	06/11/2012	YOUNGSHIN KWON	06/11/2012	SEUNG HWAN KIM	06/11/2012	KWANJAI LEE	06/11/2012
Name	Execution Date												
SANG-UK HAN	06/11/2012												
JEONG-KYU HA	06/11/2012												
YOUNGSHIN KWON	06/11/2012												
SEUNG HWAN KIM	06/11/2012												
KWANJAI LEE	06/11/2012												
RECEIVING PARTY DATA													
Name:	Samsung Electronics Co., Ltd.												
Street Address:	129, Samsung-ro, Yeongtong-gu,												
City:	Suwon-si, Gyeonggi-do, 443-742												
State/Country:	KOREA, REPUBLIC OF												
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>13531983</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13531983								
Property Type	Number												
Application Number:	13531983												
CORRESPONDENCE DATA													
Fax Number:	(516)692-8889												
Phone:	516-692-8888												
Email:	mail@chauiplaw.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	F. CHAU & ASSOCIATES, LLC												
Address Line 1:	130 WOODBURY ROAD												
Address Line 4:	WOODBURY, NEW YORK 11797												
ATTORNEY DOCKET NUMBER:	8836-795 (IE-210390-US)												
NAME OF SUBMITTER:	Frank Chau												
Total Attachments: 2 source=8836-795-assignment#page1.tif source=8836-795-assignment#page2.tif													

OP \$40.00 13531983

ASSIGNMENT

DOCKET NO.: 8836-795 (IE-210390-US)

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: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of 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: **METHODS OF FORMING SEMICONDUCTOR MODULES AND SEMICONDUCTOR MODULES FORMED BY 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.

8836-795 (IE-210390-US), 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;

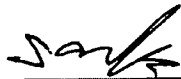
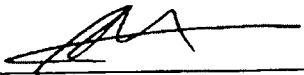
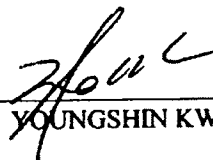

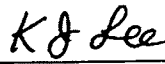
AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, 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.

Page 1 of 2

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)  SANG-UK HAN	<u>11/6/2012</u>
2)  JEONG-KYU HA	<u>11/6/2012</u>
3)  YOUNGSHIN KWON	<u>11/6/2012</u>
4)  SEUNG HWAN KIM	<u>11/6/2012</u>
5)  KWANJAI LEE	<u>11. 6. 2012</u>

Page 2 of 2

한상욱02019729125419230 20120611150626

353091339394786



RECORDED: 06/25/2012

PATENT
REEL: 028436 FRAME: 0545