# 503014777 10/10/2014 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3061377

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
HONG-KOOK LEE		08/28/2014
DONG-SUB KIM		08/28/2014
HYUN-CHANG SHIN		08/28/2014

#### **RECEIVING PARTY DATA**

Name:	SAMSUNG ELECTRONICS CO., LTD.	
Street Address:         129, SAMSUNG-RO, YEONGTONG-GU		
City:	129, SAMSUNG-RO, YEONGTONG-GU	
State/Country:	KOREA, REPUBLIC OF	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14511755

### **CORRESPONDENCE DATA**

**Fax Number:** 

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone:	202-293-0804
Email:	usdocketing@jeffersonip.com
Correspondent Name:	JEFFERSON IP LAW, LLP
Address Line 1:	1130 CONNECTICUT AVE., NW, SUITE 420
Address Line 4:	WASHINGTON, D.C. 20036

ATTORNEY DOCKET NUMBER:	0502-0121	
NAME OF SUBMITTER:	DANIEL SCHNEIDER	
SIGNATURE:	/Daniel SCHNEIDER/	
DATE SIGNED:	10/10/2014	

#### **Total Attachments: 4**

source=0502-0121AssignmentAsFiled10-10-2014#page1.tif source=0502-0121AssignmentAsFiled10-10-2014#page2.tif source=0502-0121AssignmentAsFiled10-10-2014#page3.tif source=0502-0121AssignmentAsFiled10-10-2014#page4.tif

RECORDATION FORM COVER SHEET PATENTS ONLY				
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)	2. Name and address of receiving party(ies)			
1) Hong-kook LEE, 2) Dong-sub KIM, and 3) Hyun-chang SHIN	Name: Samsung Electronics Co., Ltd.			
	Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes V No 3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>August 28, 2014</u> Assignment Merger Security Agreement Change of Name Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other 4. Application or patent number(s): This	Street Address: <u>129, Samsung-ro, Yeongtong-gu</u> City: <u>Suwon-si, Gyeonggi-do</u> State: Country: <u>Republic of Korea</u> Zip: Additional name(s) & address(es) attached? Yes Vo document is being filed together with a new application.			
	B. Patent No.(s) tached? ☐ Yes ✔No			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: <u>One</u>			
Name:Jefferson IP Law, LLP	<b>7. Total fee</b> (37 CFR 1.21(h) & 3.41) \$			
Internal Address: Daniel Schneider	Authorized to be charged by credit card			
	Authorized to be charged to deposit account			
Street Address: 1130 Connecticut Ave., NW, Suite 420	Enclosed			
	None required (government interest not affecting title)			
City: Washington	8. Payment Information			
State: DC Zip:20036	a. Credit Card Last 4 Numbers Expiration Date			
Phone Number: <u>202-293-0804</u>	· · · · · · · · · · · · · · · · · · ·			
Fax Number: 202-403-3587	b. Deposit Account Number			
Email Address: usdocketing@jeffersonip.com	Authorized User Name			
9. Signature: /Daniel SCHNEIDER/ Reg. # Signature	Date			
Daniel Schneider Name of Person Signing	sheet, attachments, and documents:			
Documents 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				

#### <u>Assignment</u>

WHEREAS, the following inventors, namely 1) Hong-kook LEE, 2) Dong-sub KIM, and 3) Hyun-chang SHIN, all, citizens of the Republic of Korea (hereinafter called "Assignors"), having made or discovered certain new, useful and non-obvious improvements in an invention having a working title of:

#### DISPLAY DRIVING CIRCUIT, DISPLAY DEVICE, AND PORTABLE TERMINAL INCLUDING THE DISPLAY DRIVING CIRCUIT AND THE DISPLAY DEVICE.

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on <u>October 10, 2014</u>, and assigned Serial No. <u>14/511,755</u>; and,

WHEREAS, Samsung Electronics Co., Ltd., a corporation duly organized under the laws of the Republic of Korea, located and doing business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, 443-742 (hereinafter called "Assignee"), is desirous of acquiring the entire right, title and interest therein;

NOW, THEREFORE, BE IT KNOWN that for and in good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors do hereby sell, assign and transfer unto said Assignee the entire and exclusive worldwide right, title and interest in and to all said inventions and discoveries disclosed in said application, and in and to said application, any and all substitutions, divisions, provisionals, conversions of provisionals and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals and reissues thereof; and the right to file any foreign application and/or claim priority under the provisional, continuing, substitute or reissue application therefrom. The aforesaid assignment includes the right in and to all income, royalties, damages and payments, now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale, assignment and transfer had not been made.

Assignors covenant and agree, without further compensation to said Assignors but at Assignee's expense:

- a. to execute:
  - i. all papers to be used in connection with this application and any divisional, continuing, substitute or reissue application thereof, as the Assignee may deem necessary or expedient, and

- all papers in connection with any interference, litigation, mediation, arbitration or other proceeding relating to this application or any divisional, continuing, substitute or reissue application thereof, as may be necessary or expedient;
- b. to cooperate with the Assignee in every way possible in obtaining evidence and going forward in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof;
- to communicate to the Assignee any facts relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof, including evidence for any interference, litigation, mediation, arbitration or other proceeding relating to said invention, whenever requested;
- d. to testify in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof whenever requested; and
- e. to perform all other affirmative acts which may be necessary or desirable to secure full and complete protection of the inventions and discoveries or that may be necessary or desirable to vest in Assignee the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignee to record title.

Assignors hereby authorize and request the United States Patent and Trademark Office or any other issuing authority to issue any and all Letters Patent that may be granted upon this invention and/or this application or any divisional, continuing, substitute or reissue application thereof to the Assignee, its legal representatives, successors and assigns.

Assignors each hereby represents, covenants and warrants that he or she has the full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that po other agreement has been or will be executed in conflict herewith.

The provisions of this Assignment are binding upon Assignors' heirs, legal representatives and/or administrators and assigns.

Assignors hereby grant to the law firm of Jefferson IP Law, LLP of Washington, DC and its attorneys and agents as associated with **Customer No. 68103** the authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

DOCKET NO.: 0502-0121 CLIENT REF.: SH-46614-US-DMC SAMSUNG REF.: GM-201307-017-1-US0

Signature of Inventor:

Hong-kook LEE

Signature of Inventor:

Dong-sub KIM

Date

Signature of Inventor:

Hyun-chang SHIN

3

2014.8,28 Date

Date

DON1 & 02

2014. A. 28

RECORDED: 10/10/2014