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()	the Director of the U.S. Patent a
PATE THADEMAN	Name of conveying parties:



ET	U.S. DEPARTMENT OF COMMERCE

Patent No(s), issued.

Soo-Jung LEE

(a) (b)

	Bo-Mi LEE
2.	Name and Address of receiving party:
	SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea
3.	Nature of conveyance: X
4.	Application number(s) or patent number(s): ☐ This document is being filed together with a new application. OR ☐ This document is being filed after filing of the application:

5.	Name and address of party to whom correspondence concerning document should be maile	ed:
	STAAS & HALSEY LLP Our Docket: <u>1779.1691</u>	
	Attention: Sang Chul Kwon	
	1201 New York Ave., N.W., Suite 700	
	Washington, D.C. 20005	
â.	Total number of applications and patents involved:1	

Patent Application No(s). 29/408,449 filed December 13, 2011; or

Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment) 7. Enclosed Authorized to be charged to deposit account.

Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) 8. (Attach duplicate copy of this page if paying by deposit account)

Sang Chul Kwon, Registration No. 63,153			December	14, 2011
Name of Person Signing	Signature		Date	
	. (Total number of p	Dages including	coversheet: 2
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PATENT REEL: 027497 FRAME: 0834

Our Docket No.: 1779.1691

U.S. ASSIGNMENT

S&H 1/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742 Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

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relating to International Patent Application PCT/ States was executed on even date herewith or, i	
(a) executed on ;	(Insert date of execution of application, if not concurrent)
(b) filed on ,	Any registered attorney or agent of STAAS & HALSEY ILP, 1201
Serial No. Not Yet Assigned;	New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.
,	

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inv (Typed Name & Signature of Inventor(s))	rentor(s) has (have) affixed his/i (Date)	her/their signature(s). (Typed Name & Signature of Witness(es),
1) Soo Jung Lee Soo-Jung LEE	Dec. 6,2011	
Soo-Jung LEE 2) <u>Do <i>U</i>i</u> Lee Bo-MI LEE	Dec.6,2011	
3)		***************************************
4)		
5)		
6)		
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PATENT

REEL: 027497 FRAME: 0835

RECORDED: 12/14/2011