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MAR 1 8 2008	Name of conveying partie
The make of	Dong-ha CHOI Kiel-iae HUR

03-21-2008



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Jinal documen	its or copy thereof.

Name of conveying parties:

Dong-ha CHOI Kiel-jae HUR Young-min KIM

2. Name and Address of receiving party:

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

3.	<u>x</u>	of conveyance: Assignment Security Agreement Other: ion Date(s): <u>March 11, 2008</u>	<u>—</u> —	Merger Change of Nam	e	
4.	☐ Thi (a) (b)	tion number(s) or patent number (s) or patent number (s) or patent number (s) of the execution date(s) of the The title is: IMAGE FORM OR s document is being filed aft Patent Application No(s). 1 Patent No(s)., issued.	gether with e application ING APPAR er filing of t	on is/are: RATUS he application:	<u>)8</u> ; or	
5.	STEIN, Attention 1400 E Suite 3	and address of party to whor MCEWEN & BUI, LLP on: <u>Michael D. Stein</u> ye Street, NW 00 ngton, DC 20005	m correspo		document sho cket: <u>0005.124</u>	
6.	Total n	umber of applications and pa	atents invol	ved: <u>1</u>		
7.	Total fe ⊠ □	e (37 CFR 3.41) Enclosed Authorized to be charged to			_	nment)
8.	Deposit Accoun	t Account No. 503333: (Any t) (Attach duplicate copy of t	underpaym this page if	ent is authorized to paying by deposit a	be charged to account)	this Deposit
		ein, Reg. No. 37,240 on Signing	į	Mula () Signature	M	3/1 <b>8</b> /08 Date

Total number of pages including cover sheet: 3

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**PATENT** 

**REEL: 020688 FRAME: 0489** 

Attorney Docket No.: 0005.1241

## U.S. ASSIGNMENT

SMB 12/04

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 Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is transfers to ASSIGNEE the entire and exclusive ri (Title of Invention)						
IMA	GE FORM	ING APPARA	TUS			
relating to international Patent Application PCT/JP was executed on even date herewith or, if not so executed the event was executed to even date herewith or, if not so executed the event was executed to even date herewith or, if not so executed to even date herewith or, if not so executed to even date herewith or, if not so executed to even date herewith or, if not so even date herewith or even date her		and/or for which	h application for Letters Patent of the United States			
(a) executed on ;	(in:	sert date of executi	on of application, if not concurrent)			
(b) filed on ,		Any registered attorney of STEIN, MCEWEN & BUI, LLP, 1400 Eye St., N.W., Suite 300, Washington, D.C. 20005 (202/216-9505) is				
Application No. Not yet assigned;	hereby authorized to		nsert in (b) the specified data, when known.			
to do all acts which the ASSIGNEE may deem ned said invention, including in the preparation and p interference, release, resemination, or public us declared in relation to same, such acts to include declarations, taking all rightful paths, providing sw IN WITNESS WHEREOF, the undersigned inv	lectively, herein sted by said AS: lessary, desirat prosecution of se e proceeding, le but not be in yorn testimony, rentor(s) has (h	nafter, "said application in any interest and without one expedient, for said application(s) and in any litigation imited to executing and obtaining and ave) affixed his/hei	ation(s) and Letters Patent(s)").  ut charge to but at the expense of said ASSIGNEE, recurring, maintaining and enforcing protection for and the issuance of said Letters Patent(s), in any n or other legal proceeding which may arise or be g all papers, including separate assignments and producing evidence.  r/their signature(s).			
(Typed Name & Signature of Inventor(s))		(Date)	(Typed Name & Signature of Witness(es))			
1) Dongha Choj Dongha CHOI	March	11,2008	which			
Dong-ha CHOI			Eun-ji LEE			
1) Dong-ha CHOI  2) Kiel-jae HUR	March	11,2008	Eun-ji LEE			
3)Young-min KIM						
4)						
5)						
6)						
7)						

PATENT REEL: 020688 FRAME: 0490

Attorney Docket No.: 0005.1241

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relating to International Patent Application PCT/JP_was executed on even date herewith or, if not so extends to the control of	and/or for w ecuted, was:	hich application for Letters Patent of the United States		
(a) executed on :	(Insert date of exec	sution of application, if not concurrent)		
(b) filed on Application No. Not yet assigned;	St., N.W., Suite 300	Any registered attorney of STEIN, MCEWEN & BUI, LLP, 1400 Eye St., N.W., Suite 300, Washington, D.C. 20005 (202/216-9505) is hereby authorized to insert in (b) the specified data, when known.		
and to said application and all Letters Patent(s) of the substitute, reissue or reexamination application base granted and including any extensions thereof (collec-	ed thereon, for the full term o	nid application and any continuation, division, renewal, or terms for which the said Letters Patent(s) may be iication(s) and Letters Patent(s)").		
to do all acts which the ASSIGNEE may deem neces said invention, including in the preparation and pro- interference, reissue, reexamination, or public use p	sary, desirable or expedient, secution of said application( proceeding, and in any litigat but not be limited to execut in testimony, and obtaining an			
1) Dong-ha CHOi				
2) Kiel-jae HUR 3) Young-min HIM	3.11.2008	wern		
4)		Eun-ji LEE		
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PATENT REEL: 020688 FRAME: 0491

**RECORDED: 03/18/2008** 

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