		FORM PTO-1595 REC 05 - 23 - 2006 U.S. DEPARTMENT OF COMMERCE				
		I MANARY FRANCISCO MANARY AND				
5-17-06		To the Director of the U.S. Patent and Tradema 103244708				
	1.	Name of conveying parties:				
		(1) Hyun-Seop KIM (2) Chang-Hwan HWANG				
	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: (a) Patent Application No(s). , filed ; or (b) Patent No(s). , issued .				
	5.	Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1860.1153 Attention: William F. Herbert 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005				
•	6.	Total number of applications and patents involved:1				
	7.	Total fee (37 CFR 3.41) (\$ 40.00 per Patent or Application in Assignment) ☑ Enclosed ☐ Authorized to be charged to deposit account.				
	8.	Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)				
		am F. Herbert, Reg. No. 31,024 Date May 17, 2006 Date				
	Total number of pages including cover sheet: 2					
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		04 FC:8021 40.00 OP				

PATENT REEL: 017907 FRAME: 0216

Docket No. 1860.1153

U.S. ASSIGNMENT

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

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

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(hereinafter, "ASSIGNEE"), the receipt of which is here transfers to ASSIGNEE the entire and exclusive right, (Title of Invention)	eby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and title and interest to the invention entitled
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relating to international Patent Application PCT/KR	and/or for which application for Letters Patent of the United o executed, was:
(a) executed on;	(Insert date of execution of application, if not concurrent)
(b) filed on, Serial No;	Any registered attorney of STAAS & HALSEY ILP, 1201 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.
substitute, release or reexamination application based granted and including any extensions thereof (collective The ASSIGNOR agrae(s), when requested but the collective of the collection of the collection of the preparation and prosect aid invention, including in the preparation and prosect therefore, release, reexamination, or public use pro-	Inited States granted on said application and any continuation, division, renewal thereon, for the full term or terms for which the said Letters Patent(s) may be ely, hereinafter, "said application(s) and Letters Patent(s)"). By said ASSIGNEE and without charge to but at the expense of said ASSIGNEE by, desirable or expedient, for securing, maintaining and enforcing protection fourtion of said application(s) and the issuance of said Letters Patent(s), in any checking, and in any litigation or other legal proceeding which may arise or be not be limited to executing all papers, including separate assignments and estimony, and obtaining and producing evidence.
IN WITNESS WHEREOF, the undersigned inventor (Typed Name & Signature of Inventor(s))	r(s) has (have) affixed his/her/their signature(s). (Date) (Typed Name & Signature of Witness(es))
M. S. Kim	May 9, 2006
tyun-Seop KIM C. M. Atwarf Chang-Hwan HWANG	May 8, wol
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PATENT REEL: 017907 FRAME: 0217

RECORDED: 05/17/2006