

@2005 Staas & Halsey LLP 103331933 To the Director of the U.S. Patent and Trac. Name of conveying party(ies): Chang-Hoon SUK Beom-Ku HAN Chang-Soo LEE 2. Name and Address of receiving party(ies): SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea 3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date(s): October 27, 2006 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: Patent Application No(s)., filed; or (a) (b) Patent No(s)., issued. 5. Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1779,1234 Attention: Mark J. Henry 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. 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) Mark J. Henry, Reg. No. 36,162 October 31, 2006 Name of Person Signing Total number of pages including cover sheet: 2 DO NOT USE THIS SPACE

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Our Docket No.: 1779,1234

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

(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

RECORDED: 10/31/2006

(hereinafter, "ASSIGNEE"), the receipt of which is transfers to ASSIGNEE the entire and exclusive rig (Title of Invention)	hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and ght, title and interest to the invention entitled
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relating to International Patent Application PCT/KR States was executed on even date herewith or, if n	and/or for which application for Letters Patent of the United tot so 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 U.P., 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, reissue or reexamination application bar	ne United States granted on said application and any continuation, division, renewal, sed thereon, for the full term or terms for which the said Letters Patent(s) may be actively, hereinafter, "said application(s) and Letters Patent(s)").
to do all acts which the ASSIGNEE may deem nece said invention, including in the preparation and pro interference, release, reexamination, or public use declared in relation to same, such acts to include b	ed by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, assary, desirable or expedient, for securing, maintaining and enforcing protection for securiton of said application(s) and the issuance of said Letters Patent(s), in any proceeding, and in any litigation or other legal proceeding which may arise or be out not be limited to executing all papers, including separate assignments and or testimony, and obtaining and producing evidence.
IN WITNESS WHEREOF, the undersigned inve (Typed Name & Signeture of Inventor(s))	entor(s) has (have) affixed his/her/their signature(s). (Date) (Typed Name & Signature of Witness(es))
1) Chang-Hoon SUK	Oct. 21,206
2) Ocom- KU Han Beom-Ku HAN	Ox. 22, 2006
3) Chang Soo Lee Chang-Soo LEE	Cot. 21, 2006
4)	
5)	·
6)	

PATENT

REEL: 018478 FRAME: 0894