FORM PTO-1595



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To the Director of the U.S. Patent and Trademark Office: Please record the attached document.

Name of conveying party(ies): Ji-Young LEE Sang-Min HYUN 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: _X_ Assignment Merger Security Agreement Change of Name Other: Execution Date(s): December 20, 2006 4. Application number(s) or patent number(s): This document is being filed together with a new application. ☐ 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: 1779.1240 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) \boxtimes **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) Mark J. Henry, Reg. No. 36,162 Name of Person Signing

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REEL: 018/717 FRAME: 0477

Our Docket No.: 1779.1240

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

(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)

and/or for which application for Letters Patent of the United cuted, was:
(Insert date of execution of application, if not concurrent)
Any registered attorney of STAAS & HALSEY LLP, 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.
States granted on said application and any continuation, division, renewal, on, for the full term or terms for which the said Letters Patent(s) may be ereinafter, "said application(s) and Letters Patent(s)"). ASSIGNEE and without charge to but at the expense of said ASSIGNEE, sirable or expedient, for securing, maintaining and enforcing protection for for said application(s) and the issuance of said Letters Patent(s), in any ng, and in any litigation or other legal proceeding which may arise or be

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s)) (Date) (Typed Name & Signature of Witness(es)) 3) Chang

> **PATENT** REEL: 018717 FRAME: 0478

RECORDED: 12/22/2006