U.S. PTO 29/274725 05/17/2007 U.S. DEPARTMENT OF COMMERCE FORM PTO-1595 06-01-2007 e2005 Staas & Halsey LLP To the Director of the U.S. Patent and cument. 103411708 Name of conveying party(ies): 1. Min Hyouk LEE 2. Chang-Hwan HWANG 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 X 29/274725 Security Agreement Change of Name Other: Execution Date(s): May 16, 2007 (all inventors) 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. Name and address of party to whom correspondence concerning document should be mailed: 5. Our Docket: 1860.1289 STAAS & HALSEY LLP Attention: John C. Garvey 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005 Total number of applications and patents involved: __1 6. 7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment) X **Enclosed** Authorized to be charged to deposit account.

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PATENT REEL: 019385 FRAME: 0571

Attorney Docket No.: 1860,1289

U.S. ASSIGNMENT

54H 140

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))

SAMSLING 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 transfers to ASSIGNEE the entire and exclusive right, title (Title of Invention)	acknowledged, the undersigned ASSIGNOR hereby sells, assigns and and interest to the invention entitled
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relating to International Patent Application PCT/KR/_States was executed on even data herewith or, if not so ex	and/or for which application for Letters Patent of the United xeculed, was:
(a) executed on ;	(Insert date of execution of application, if not concurrent)
(b) filed on , Serial No. To Be Assigned ;	Any registered atterney of STAAS & HALSEY U.P., 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1600) 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 grented 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 deciated in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and deciarations, taking all rightful oaths, providing swom testimony, and obtaining and producing evidence.	
IN WITNESS WHEREOF, the undersigned inventor(s) in (Typed Name & Signature of Inventor(s))	nas (have) affixed his/her/their signature(s). (Date) (Typed Name & Signature of Witness(es))
1) Ga Min Hyouk LEE 2) Chang-Hwan HWANG 3)	104 16.200)
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PATENT

REEL: 019385 FRAME: 0572