EMARY 201	the Director of the U.S. Patent and Tradema, 103641242
1.	Name of conveying parties: 1) Han Bi PARK 2) Dong Seok CHO 3) Min Jin SONG 4) Lae He HAM 5) Hoon KIM 6) Tae Sik NAM
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). 13/401,359, filed February 21, 2012; or (b) Patent No(s).
5.	Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 2294.1427 Attention: Gregory W. Harper 1201 New York Ave., N.W., 7th Floor Washington, D.C. 20005
6.7.	Total number of applications and patents involved:1 Total fee (37 CFR 3.41) (\$ 40.00 per Patent or Application in Assignment) ⊠ Enclosed
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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) (Attach duplicate copy of this page if paying by deposit account) (Attach duplicate copy of this page if paying by deposit account) (Attach duplicate copy of this page if paying by deposit account)
	e of Person Signing Signature Total number of pages including cover sheet: 2

PATENT REEL: 027870 FRAME: 0112

U.S. ASSIGNMENT

S&H 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

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

RECORDED: 02/27/2012

(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)

(Title of Invention)	
ELECTRIC INSTRUMENT AND	CONTROLLING CONTROL METHOD THEREOF
relating to International Patent Application PCT was executed on even date herewith or, if not	
(a) executed on ;	(Insert date of execution of application, if not concurrent)
(b) filed on ,	Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is
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granted and including any extensions thereof of the ASSIGNOR agree(s), when requive to do all acts which the ASSIGNEE may deem said invention, including in the preparation and interference, reissue, reexamination, or public declared in relation to same, such acts to includeclarations, taking all rightful oaths, providing	n based thereon, for the full term or terms for which the said Letters Patent(s) may be (collectively, hereinafter, "said application(s) and Letters Patent(s)"). uested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEI necessary, desirable or expedient, for securing, maintaining and enforcing protection for prosecution of said application(s) and the issuance of said Letters Patent(s), in any use proceeding, and in any litigation or other legal proceeding which may arise or be addeduced but not be limited to executing all papers, including separate assignments and grown testimony, and obtaining and producing evidence. Inventor(s) has (have) affixed his/her/their signature(s). (Date) (Typed Name & Signature of Witness(es))
1) Mar bi Park Han Bi PARK	February 3: 2012
2) Dong Seek Cho Dong Seek CHO	Feb 3. 2012
3) MINJIN SONG	Feb 3. 2011
4) Lae Hee Ham Lae He HAM	Feb 3. 2012
5) Hoon Kim Hoon KIM	Trab 6.2012
6) Toe 51K NAM Tae Sik NAM	teb 3. 2012
7)	

PATENT REEL: 027870 FRAME: 0113