Customer Service Window Mail Stop <u>Assignment Recordation Services</u> Randolph Building 401 Dulany Street Alexandria, VA 22314	U.S. PTO 12/659010 02/23/2010		Atty. Docket No.: 6668-000090/U Page 1 of	
]	03-05-201		SHEET	
To th Please	103590707	H 1881 1881	id Trademarks: or copy thereof	
Name of conveying party(ies):			address of receivi	ng party(ies)
Jong-Ryun CHOI		Name: Sa	msung Electroi	nics Co., Ltd.
Dong Hwan LEE		Street Add	ress: 416, Maet	an-dong, Yeongtong-gu
Su Ho KIM		City: Suw	on-si	State: Gyeonggi-do
Won LEE		•	Republic of Ko	, 55
Alex JOO				
Ji Hun OH		Additional	name(s) & address	(es) attached? YES NO
Additional name(s) of conveying party(ies) att	ached?	Additional	nanc(s) & address	(cs) attached: [] TES [Z] NO
3. Nature of conveyance:				
	ity Agreement			
☐ Change of Name ☐ Other	:			
Execution Date: Feb. 1, 2010; Feb.	1			
4. Application number(s) or patent number(s)				
If this document is being filed together with a 2010; Feb. 1, 2	a new application, the e 2010; Feb. 1, 2010;			
A. Patent Application No(s).	B.	Patent No.	(s).	
isibb A	onal numbers attached) [] VES	M NO	
5. Name and address of party to whom corres			<u> </u>	tents involved: One (1)
concerning document should be mailed:			37 C.F.R. § 3.41):	
Name: HARNESS, DICKEY & PIERCE, P	T C	Enclosed		•
Street Address: P.O. BOX 8910			d to be charged to	deposit account
City: RESTON State: VA ZIP: 20195		Authorized to be charged to deposit account, if no fee attached.		
Country: USA	8.	Deposit acc	count number: 08	<u>3-0750</u>
·		•		copy of this page eposit account)
	DO NOT USE TH	IS SPACE		
9. Statement and signature.				
To the best of my knowledge and bel copy of the original document.	ief, the foregoing inform	nation is tru	e and correct and	d any attached copy is a true
Gary D. Yacura, Reg. No. 35,416 Name of Person Signing/Reg. No.	/	nature	//	February 23, 2010 Date
Total number of pa	ges including cover sho	eet, attachm	ents, and docume	nt: 3
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ASSIGNMENT

Attorney Docket No. 6668-000090/US

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

DELAY-LOCKED LOOP AND ELECTRONIC DEVICE INCLUDING THE SAME

for which Assignor is about to make or has made United States or International application for patent

(a)	executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
(b)	executed on,; or
(c)	filed on, and assigned Serial No or PCT International Application No. : and

WHEREAS, Samsung Electronics Co., Ltd., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor agrees to, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the invention as described in the aforesaid application and all United States Letters Patent which may be granted therefore, and all divisions, continuations, reissues, reexaminations and extensions thereof, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications or patents resulting therefrom.

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

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Ji Hun OH		·
	02/01/2010	

Dated

RECORDED: 02/23/2010

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