8/26/99 ASSIGNME 09-	1999 HEET Patents Only
To the Honorable Commissioner of Patents al. 1011	August 26, 1999 August 26, 1999 38100 Attorney Dkt: 5649-747
Please record the attached original documents or copy the	eof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Dong-yun Lee Dae-yun Shim Won-Chan Kim	Samsung Electronics Co., Ltd. 416 Maetan-dong, Paldal-gu Suwon-City, Kyungki-do Republic of Korea
Additional name(s) of conveying party(ies) attached? Yes X No	
3. Nature of conveyance:	
X Assignment Merger Security Agreement Change of Name Other Execution Date:	Additional name(s) & address(es) attached? Yes X No
4. Application Serial No. 09/383805 P	atent No.
If this document is being filed together with a new application is: August 23, 1999, August 21, 1999 and August 22, 1999 Additional numbers attached? Yes X No	
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1
concerning document should be mailed:	
Grant J. Scott Myers Bigel Sibley & Sajovec P.O. Box 37428 Raleigh, North Carolina 27627	7. Total fee (37 CFR 3.41) <u>X</u> Enclosed Authorized to be charged to deposit account
	8. Deposit account number: 50-0220
DO NOT USE THIS SPACE	(Attach duplicate copy of this page if paying by deposit account)
of the original document.	nation is true and correct and any attached copy is a true copy $\left \frac{1}{2} \right 2 \left \frac{1}{2} \right 9 $
B/02/1999 KHAKLING 00000028 09383805 Signature	
FC:581 40.00 OP // Total number of pages including cover sheet, attachments and document: 3	

ASSIGNMENT

THIS ASSIGNMENT, made by us, Dong-yun Lee, citizen of the Republic of Korea, residing at 121-1601, Jangan Apt., Bundang-dong, Bundang-gu, Sungnam-city, Kyungki-do, Republic of Korea; Dae-yun Shim, citizen of the Republic of Korea, residing at 505-806, Kocheung Jugong Apt., Haan-dong, Kwangmyung city, Kyungki-do, Republic of Korea; and Won-Chan Kim, citizen of the Republic of Korea, residing at 301, Hundai villa, Banpo 4dong, Seocho-ku, Scoul, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of sertain new and useful improvements in CLOCK GENERATING CIRCUITS THAT UTILIZE ANALOG PUMP SIGNALS TO PROVIDE FAST SYNCHRONIZATION AND REDUCED DELAY SKEW for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, F.A., to insert here in parentheses (Application No.

said application when known or to file this Assignment concurrently with the application, and

WHEREAS, Samsung Electronics Co., Ltd., a Korean corporation having a principal place of business at 416 Mantan-dong, Paldal-gu, Suwon-City, Kyungki-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries:

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

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We finding provides the upper that, at the time of the emperators and delivery of these presents, we pupped full title to the investigation and application die to mentioned, and that we have the anonomication definition and andiactive to make this assignment.

We further coverant and agree to bird our heirs, high representatives and matgate promptly to communicate to still analyzes or its representatives only face known to in rolating to said invention, to testify is any interference or legal proceedings involving said invention, to example any additional papers which may be required to confirm the right of the statement, its representative, successors or melgan to secure patient or elimiter protection for the axid invention is all solvinging and to vise in the assignee complete title to the said invention and Letters Pasted, without further completing but at the expanse of said assignee, its supersent and, without further completionities, but at the expanse of said

IN WITHERS WHEREOF, we have beingento set our hands and shell in this 23

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Date

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