

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Chan-kyung KIM	02/23/2004
RECEIVING PARTY DATA	
Name:	SAMSUNG ELECTRONICS CO., LTD.,
Street Address:	416, Maetan-dong, Yeongtong-gu
City:	Suwon-si, Gyeonggi-do
State/Country:	KOREA, REPUBLIC OF
Postal Code:	442-742
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13405703
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ATTORNEY DOCKET NUMBER:	5568-04US
NAME OF SUBMITTER:	Ronan O'Byrne
Total Attachments: 2 source=Executed Assignment from Parent - Inventor to Samsung#page1.tif source=Executed Assignment from Parent - Inventor to Samsung#page2.tif	

CH \$40.00 13405703

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s)
of Inventor(s)

1. KIM, Chan-kyung

Insert Name(s)
of Assignee(s)

the undersigned hereby sell(s) and assign(s) to

Samsung Electronics Co., Ltd.

of 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea 442-742

Title of
Invention

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

DUTY CYCLE CORRECTION CIRCUIT OF DELAY LOCKED LOOP AND DELAY

LOCKED LOOP HAVING THE DUTY CYCLE CORRECTION CIRCUIT

Date of
Signing of
Application

for which an application for patent in the United States of America has been executed by the undersigned on 9 March 2004

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuing division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) to Adam C. Volentine, Reg. No. 33,289 and William S. Francos, Reg. No. 38,456, and the firm of VOLENTINE FRANCOS, P.L.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 United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date Feb 23, 2004 , Name of Inventor Chan-kyung Kim
Chan-kyung KIM
Date _____ , Name of Inventor _____
Date _____ , Name of Inventor _____
Date _____ , Name of Inventor _____
Date _____ , Name of Inventor _____
Date _____ , Name of Inventor _____

(Note regarding Witnessing and/or Acknowledgment: Acknowledgment before a United States Consul is preferred but not required. If not acknowledged, then it is recommended that the execution by the Inventor(s) be witnessed by at least two witnesses who sign here. However, the current practice of the U.S. Patent and Trademark Office is to record an Assignment even it has not been acknowledged and/or witnessed.)

Witness _____

Witness _____

ACKNOWLEDGMENT

? _____

Applicant Reference No. SS-18763-US Atty Docket No. SEC.1122