

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>In-Woo JUN</td> <td>08/12/2010</td> </tr> <tr> <td>Byung Hoon JEONG</td> <td>08/12/2010</td> </tr> <tr> <td>Min Soo KIM</td> <td>08/12/2010</td> </tr> </tbody> </table>		Name	Execution Date	In-Woo JUN	08/12/2010	Byung Hoon JEONG	08/12/2010	Min Soo KIM	08/12/2010
Name	Execution Date								
In-Woo JUN	08/12/2010								
Byung Hoon JEONG	08/12/2010								
Min Soo KIM	08/12/2010								
<b>RECEIVING PARTY DATA</b>									
Name:	SAMSUNG ELECTRONICS CO., LTD.								
Street Address:	416, Maetan-dong, Yeongtong-gu								
City:	Suwon-si, Gyeonggi-do								
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF								
Postal Code:	442-742								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12857762</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12857762				
Property Type	Number								
Application Number:	12857762								
<b>CORRESPONDENCE DATA</b>									
Fax Number:	(571)283-0740								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	5712830720								
Email:	rbennett@volentine.com								
Correspondent Name:	Stephen R. Whitt								
Address Line 1:	Volentine & Whitt, PLLC								
Address Line 2:	111951 Freedom Drive, Suite 1260								
Address Line 4:	Reston, VIRGINIA 20190								
ATTORNEY DOCKET NUMBER:	SEC.2810								
NAME OF SUBMITTER:	Stephen R. Whitt								

Total Attachments: 2  
 source=SEC2810\_Assignment#page1.tif

**501264090**

**PATENT  
 REEL: 024846 FRAME: 0063**

**CH \$40.00 12857762**



# 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. In-Woo JUN 7. \_\_\_\_\_
- 2. Byung Hoon JEONG 8. \_\_\_\_\_
- 3. Min Soo KIM 9. \_\_\_\_\_
- 4. \_\_\_\_\_ 10. \_\_\_\_\_
- 5. \_\_\_\_\_ 11. \_\_\_\_\_
- 6. \_\_\_\_\_ 12. \_\_\_\_\_

Insert

Name(s) of  
Assignee(s) &

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

Address(es)

SAMSUNG ELECTRONICS CO., LTD.  
416, Maetan-dong, Yeongtong-gu,  
of Suwon-si, Gyeonggi-do 442-742, Republic of Korea

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

LATENCY CIRCUIT AND SEMICONDUCTOR DEVICE COMPRISING SAME

Date of  
Signing of  
Application

for which an application for patent in the United States of America has been executed by the undersigned on August 12, 2010

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 grant(s) the practitioners associated with the **CUSTOMER NUMBER 20987** 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.

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.

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

Date 2010.8.12 Signature of Inventor In-Woo Jun  
In-Woo JUN

Date 2010.8.12 Signature of Inventor Byung Hoon Jeong  
Byung Hoon JEONG

Date 2010.8.12 Signature of Inventor Min Soo Kim  
Min Soo KIM

Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_

Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_

Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_

(Note regarding Witnessing: 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 witnessed.)

Witness \_\_\_\_\_

Witness \_\_\_\_\_

Applicant Reference No. SOV-000829-US