

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>DOHAN KIM</td> <td>04/19/2011</td> </tr> <tr> <td>SERGEY ZHIDKOV</td> <td>04/19/2011</td> </tr> <tr> <td>BEOM KON KIM</td> <td>04/19/2011</td> </tr> </tbody> </table>		Name	Execution Date	DOHAN KIM	04/19/2011	SERGEY ZHIDKOV	04/19/2011	BEOM KON KIM	04/19/2011
Name	Execution Date								
DOHAN KIM	04/19/2011								
SERGEY ZHIDKOV	04/19/2011								
BEOM KON KIM	04/19/2011								
RECEIVING PARTY DATA									
Name:	Samsung Electronics Co., Ltd.								
Street Address:	129, Samsung-ro								
Internal Address:	Yeongtong-gu								
City:	Suwon-si, Gyeonggi-do								
State/Country:	KOREA, REPUBLIC OF								
Postal Code:	443-742								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13079909</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13079909				
Property Type	Number								
Application Number:	13079909								
CORRESPONDENCE DATA									
Fax Number:	(919)854-1401								
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ATTORNEY DOCKET NUMBER:	5649-3152								
NAME OF SUBMITTER:	MICHELE P. MCMAHAN								
Signature:	/mpm/								

Date:

01/28/2014

**Total Attachments: 4**

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**ASSIGNMENT**

THIS ASSIGNMENT, made by us, **DoHan Kim**, citizen of the Republic of Korea, residing at 109-1407, Dongsuwon LG Village 1 Cha Apt., Mangpo-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Sergey Zhidkov**, citizen of Russia, residing at 249-1701, Hwanggol Maeul 2 Danji Ssangyong Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Beom kon Kim**, citizen of the Republic of Korea, residing 1-609, Daelim Apt., Sadang 3-dong, Dongjak-gu, Seoul, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **RECEIVERS FOR PROCESSING VESTIGIAL SIDEBAND SIGNALS AND PROCESSING METHODS THEREOF** 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, P.A., to insert here in parentheses (Application No. 13/079,909 , filed on April 05, 2011 ) the filing date and application number of 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 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-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

**ASSIGNMENT – CONTINUED**

fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 19<sup>th</sup> day of April, 2011.

Do Han Kim (SEAL)  
DoHan Kim

Witnessed by:

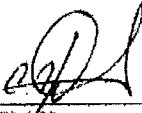
\_\_\_\_\_

Date: \_\_\_\_\_



**ASSIGNMENT - CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 19 day  
of April, 2011.

  
\_\_\_\_\_  
**Sergey Zhilkov** (SEAL)

Witnessed by:

\_\_\_\_\_

Date: \_\_\_\_\_

**ASSIGNMENT - CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 19<sup>th</sup> day  
of April, 2011.

Beom Kon Kim (SEAL)  
Beom kon Kim

Witnessed by:

\_\_\_\_\_

Date: \_\_\_\_\_

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