

## PATENT ASSIGNMENT

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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>Jin Sagong</td> <td>12/03/2012</td> </tr> <tr> <td>Jisang Kim</td> <td>12/03/2012</td> </tr> <tr> <td>Sangeun Kim</td> <td>12/03/2012</td> </tr> <tr> <td>Taegyun Kim</td> <td>12/03/2012</td> </tr> <tr> <td>Jaeyong Sim</td> <td>12/03/2012</td> </tr> <tr> <td>Byeongdo Ahn</td> <td>12/03/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jin Sagong	12/03/2012	Jisang Kim	12/03/2012	Sangeun Kim	12/03/2012	Taegyun Kim	12/03/2012	Jaeyong Sim	12/03/2012	Byeongdo Ahn	12/03/2012
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Jaeyong Sim	12/03/2012														
Byeongdo Ahn	12/03/2012														
RECEIVING PARTY DATA															
Name:	Samsung Electronics Co., Ltd														
Street Address:	129, Samsung-ro														
Internal Address:	Yeongtong-gu, Suwon-si														
City:	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>13744175</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13744175										
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Application Number:	13744175														
CORRESPONDENCE DATA															
Fax Number:	9726283616														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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NAME OF SUBMITTER:

William A. Munck

Total Attachments: 2

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ASSIGNMENT

WHEREAS, We, Jin Sagong, resident of Yongin-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Jisang Kim, resident of Yongin-si, Gyeonggi-do, Republic of Korea, Sangeun Kim, resident of Nowon-gu, Seoul, Republic of Korea, citizen of Republic of Korea, Taegyun Kim, resident of Seongnam-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Jaeyong Sim, resident of Dongjak-gu, Seoul, Republic of Korea, citizen of Republic of Korea, and Byeongdo Ahn, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, have invented certain new and useful improvements in a "APPARATUS AND METHOD FOR REDUCING TDMA NOISE IN TERMINAL" disclosed in an application for United States Letters Patent (Application Serial No. \_\_\_/\_\_\_\_\_, filed on \_\_\_\_\_, said application having been executed concurrently herewith;

WHEREAS, SAMSUNG ELECTRONICS CO., LTD, a corporation organized under the laws of the Republic of Korea, having a place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; We authorize William A. Munck of Munck Wilson Mandala, LLP to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.


We hereby further agree that we will communicate to said ASSIGNEE, or to its successors,

assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Date: DEC 3, 2012

Jin Sagong   
JIN SAGONG

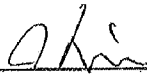
Date: DEC 3, 2012

Ji Sang KIM   
JISANG KIM

Date: DEC 3, 2012

Sangun Kim  
SANGEUN KIM


Date: DEC 3, 2012

Tae-Gyun Kim   
TAEGYUN KIM

Date: DEC 3, 2012

Jaeyong Sim  
JAEYONG SIM

Date: DEC 3, 2012

Byeong Do Ahn   
BYEONGDO AHN