

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>WON JONG NOH</td> <td>12/16/2013</td> </tr> <tr> <td>WON JAE SHIN</td> <td>12/16/2013</td> </tr> <tr> <td>KWANG HOON HAN</td> <td>12/16/2013</td> </tr> <tr> <td>CHANG YONG SHIN</td> <td>12/16/2013</td> </tr> <tr> <td>KYUNG HUN JANG</td> <td>12/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	WON JONG NOH	12/16/2013	WON JAE SHIN	12/16/2013	KWANG HOON HAN	12/16/2013	CHANG YONG SHIN	12/16/2013	KYUNG HUN JANG	12/16/2013
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WON JONG NOH	12/16/2013												
WON JAE SHIN	12/16/2013												
KWANG HOON HAN	12/16/2013												
CHANG YONG SHIN	12/16/2013												
KYUNG HUN JANG	12/16/2013												
RECEIVING PARTY DATA													
Name:	SAMSUNG ELECTRONICS CO., LTD.												
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City:	SUWON-SI												
State/Country:	KOREA, REPUBLIC OF												
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>14132220</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14132220								
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Application Number:	14132220												
CORRESPONDENCE DATA													
Fax Number:	(202)315-3758												
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NAME OF SUBMITTER:	RANDALL S. SVIHLA												
Signature:	/Randall S. Svihla/												

Date:

01/10/2014

Total Attachments: 3

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COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

As a below-named inventor, I hereby declare that this declaration is directed to the application attached hereto, or to United States Application Number or PCT International Application Number _____ filed on _____ (if applicable), entitled:

**METHOD OF MULTI-HOP COOPERATIVE COMMUNICATION FROM
TERMINAL AND BASE STATION AND NETWORK FOR
MULTI-HOP COOPERATIVE COMMUNICATION**

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

ASSIGNMENT

For valuable consideration, I, as a below-named assignor, hereby assign to:

Samsung Electronics Co., Ltd.
129, Samsung-ro, Yeongtong-gu
Suwon-si, Gyeonggi-do 443-742
Republic of Korea

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements that are the subject of the application identified in the above declaration, which is United States Application Number or PCT International Application Number 14/132,220 filed on December 18, 2013.


I authorize and request the attorneys appointed in the above-identified application to hereafter complete this Assignment by inserting above the application number and the filing date of the above-identified application when known, and to correct any typographical errors that may be discovered in this Assignment.

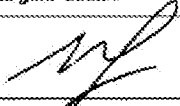
This Assignment includes the above-identified application, any and all United States and foreign patents, utility models, and design registrations granted for any of the inventions and improvements that are the subject of the above-identified application, and the right to claim priority based on the filing date of the above-identified application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations, like rights of


COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

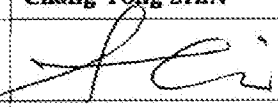
exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the above-identified application; and I agree for myself and my heirs, legal representatives, and assigns without further compensation to perform such lawful acts and to sign such further applications, Assignments, preliminary statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

In witness whereof, I, as a below-named inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.


Inventor's Legal Name	Won Jong NOH		
Inventor's Signature		Date	2013.12.16
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Mailing Address	Samsung Advanced Institute of Technology, Mt. 14-1, Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do 446-712, Republic of Korea		

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Inventor's Legal Name	Chang Yong SHIN		
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COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

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