

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3629150

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JIN-KYU HAN	11/14/2015
JIANZHONG ZHANG	11/18/2015
YOUNSUN KIM	11/18/2015
RECEIVING PARTY DATA	
Name:	SAMSUNG ELECTRONICS CO., LTD
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU
City:	SUWON-SI GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14930374
CORRESPONDENCE DATA	
Fax Number:	(972)628-3616
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	927-628-3600
Email:	patents@munckwilson.com
Correspondent Name:	DOCKET CLERK - SAMS
Address Line 1:	P.O. DRAWER 800889
Address Line 4:	DALLAS, TEXAS 75380
ATTORNEY DOCKET NUMBER:	SAMS10-01128
NAME OF SUBMITTER:	DANIEL E. VENGLARIK
SIGNATURE:	/Daniel E. Venglarik/
DATE SIGNED:	11/23/2015
Total Attachments: 3	
source=Assignment#page1.tif	
source=Assignment#page2.tif	
source=Assignment#page3.tif	

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET
(37 CFR 1.76) AND ASSIGNMENT**

Title of Invention	METHODS AND APPARATUS FOR DOWNLINK CONTROL CHANNELS TRANSMISSIONS IN WIRELESS COMMUNICATIONS SYSTEMS
---------------------------	---

As the undersigned inventor, I hereby declare that:

This combined declaration and assignment is directed to: The attached application, or United States application or PCT International application number 14/930,374 filed on November 2, 2015, as amended herewith.

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

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

I have reviewed and understand the contents of the application including the claims, for which this combined declaration and assignment is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

WHEREAS, Samsung Electronics Co., Ltd., a Korean corporation, having a place of business at 129, Samsung-ro, Yeongtong-gu Suwon-si, Gyeonggi-do, 16677, Korea (hereinafter referred to as "ASSIGNEE"), desires to acquire the entire right, title and interest in said invention and to any patent that may be granted thereon in the United States and foreign countries;

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, We, the below named inventors, hereby sell, assign and transfer to said ASSIGNEE, its successors and assigns, the entire right, title and interest in the above-identified application and the invention disclosed therein in all countries, including all divisional applications, continuation applications, and corresponding priority applications including those to which priority is claimed under the International Convention of Paris including under 35 U.S.C. 119, substitutions, and renewals thereof, and to all patents that may be granted thereon, and all reissues thereof.

We hereby authorize and request the Patent Office Officials in the United States and all foreign countries to issue patents, when granted, to said ASSIGNEE, its successors and assigns. Further, We agree that said ASSIGNEE, its successors and assigns, may apply for patents for the invention in foreign countries without further authorization from us. Also, We agree to execute all papers and generally to do everything possible to aid said ASSIGNEE, its successors and assigns, in obtaining and enforcing patents for the invention in all countries.

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

LEGAL NAME OF FIRST INVENTOR (e.g., full first name, middle initial, last name)

Inventor: Jin-Kyu/Han Date: 11/14/2015

Signature: _____

LEGAL NAME OF SECOND INVENTOR (e.g., full first name, middle initial, last name)

Inventor: Jianzhong Zhang Date: 11/18/2015

Signature: _____

LEGAL NAME OF THIRD INVENTOR (e.g., full first name, middle initial, last name)

Inventor: Yoonsun Kim

Date: Nov 18, 2015

Signature: 