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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HYOUNG JU JI	08/13/2014
YOUNG BUM KIM	08/13/2014
JOON YOUNG CHO	08/19/2014
SEUNG-HOON CHOI	08/13/2014

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:	16708192

CORRESPONDENCE DATA

Fax Number: (972)628-3616

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.

Phone: 972-628-3600

Email: patents@munckwilson.com
Correspondent Name: DOCKET CLERK - SEC
Address Line 1: P.O. DRAWER 800889
Address Line 4: DALLAS, TEXAS 75380

ATTORNEY DOCKET NUMBER:	SAMS07-00185
NAME OF SUBMITTER:	JACOB L. LACOMBE
SIGNATURE:	/Jacob L. LaCombe, Reg. #63,036/
DATE SIGNED:	12/09/2019

Total Attachments: 3

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PATENT 505811179 REEL: 051222 FRAME: 0212

ASSIGNMENT

WHEREAS, We, Hyoung Ju Ji, resident of Gangnam-gu, Seoul, Republic of Korea, citizen of Republic of Korea, Young Bum Kim, resident of Dongdaemun-gu, Seoul, Republic of Korea, citizen of Republic of Korea, Joon Young Cho, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, and Seung-Hoon Choi, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, have invented certain new and useful improvements in a "METHOD AND APPARATUS FOR TRANSCEIVING CHANNEL RELATED TO TERMINAL THAT SUPPORTS HALF DUPLEX TRANSMISSION IN MOBILE COMMUNICATION SYSTEM" 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.

V.

Date:	13 804 2014	Hyoung Ju Ja
Date:	13 AUG 244	YOUNG BUM KIM
Date:		JOON YOUNG CHO
Date:	13 AUG 2014	Seung-Hoon Choi

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.

******			Hyoung Ju Ji
خسنم *	anna ann air ag		Young Bum Kim
•	AUG	19,2014	Joon Young Cho
». •	CONTRACTOR OF STREET,	······································	SEUNG-HOON CHOI

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