

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HAKYUNG JUNG	05/02/2018
JUNGHWAN LIM	05/02/2018
YOUNGSUK SUN	05/02/2018
JINHYOUNG KIM	05/02/2018
JAEHYUN HWANG	05/02/2018
HYUNJOO LEE	05/02/2018
SOOYOUNG JANG	05/10/2018
GIWON LEE	05/02/2018
JINHO LEE	05/02/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>Street Address:</b>	129, SAMSUNG-RO, YEONGTONG-GU
<b>City:</b>	SUWON-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	16677
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15982695
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(972)628-3616
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<b>Phone:</b>	972-628-3600
<b>Email:</b>	patents@munckwilson.com
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<b>Address Line 1:</b>	P.O. DRAWER 800889
<b>Address Line 4:</b>	DALLAS, TEXAS 75380
<b>ATTORNEY DOCKET NUMBER:</b>	YPF201803-0027-US
<b>NAME OF SUBMITTER:</b>	WILLIAM A. MUNCK

<b>SIGNATURE:</b>	/William A. Munck, Reg #39,308/
<b>DATE SIGNED:</b>	05/17/2018
<b>Total Attachments: 3</b> source=YPF201803-0027-US (SAMS07-83027) Assignment#page1.tif source=YPF201803-0027-US (SAMS07-83027) Assignment#page2.tif source=YPF201803-0027-US (SAMS07-83027) Assignment#page3.tif	

**ASSIGNMENT**

WHEREAS, We, **Hakyung JUNG**, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, **Junghwan LIM**, resident of Hwaseong-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, **Youngsuk SUN**, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, **Jinhyoung KIM**, resident of Seongnam-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, **Jaehyun HWANG**, resident of Anyang-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, **Hyunjoo LEE**, resident of Seoul, Republic of Korea, citizen of Republic of Korea, **Sooyoung JANG**, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, **Giwon LEE**, resident of Seoul, Republic of Korea, citizen of Republic of Korea, and **Jinho LEE**, resident of Seoul, Republic of Korea, citizen of Republic of Korea, have invented certain new and useful improvements in a “**TCP PROXY DEVICE-ASSISTED COMMUNICATION METHOD AND APPARATUS IN WIRELESS COMMUNICATION**” disclosed in an application for United States Letters Patent (Application Serial No. 15/982,695, filed on May 17, 2018), said application having been executed concurrently herewith;

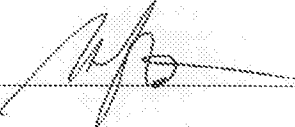
WHEREAS, **SAMSUNG ELECTRONICS CO., LTD.**, a corporation organized under the laws of the Republic of Korea, having a place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea (hereinafter referred to as “ASSIGNEE”), is desirous of acquiring our entire right, 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.

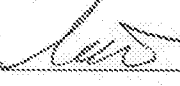
We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial 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: May 2, 2018

  
Hakyung JUNG

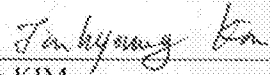
Date: May 2, 2018

  
Junghwan LIM


Date: May 2, 2018

  
Youngsuk SUN


Date: May 2, 2018

  
Jinhyoung KIM

Date: May 2, 2018

  
Jaehyun HWANG


Date: May 2, 2018

  
Hyunjoo LEE


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

Sooyoung JANG

Date: May 2, 2018

  
Giwon LEE

Date: May 2, 2018

  
Junho LEE

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: \_\_\_\_\_  
Hakyung JUNG

Date: \_\_\_\_\_  
Junghwan LIM

Date: \_\_\_\_\_  
Youngsuk SUN

Date: \_\_\_\_\_  
Jinhyoung KIM

Date: \_\_\_\_\_  
Jaehyun HWANG

Date: \_\_\_\_\_  
Hyunjoo LEE

Date: 2018.05.10 \_\_\_\_\_  
Socyoung JANG

Date: \_\_\_\_\_  
Giwon LEE

Date: \_\_\_\_\_  
Jinho LEE