504792067 02/23/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4838799

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HYOUNG JIN KWON	07/30/2015
YONG SUN KIM	07/30/2015
KAP SEOK CHANG	07/30/2015
SEUNG EUN HONG	07/30/2015
SUNG GEUN JIN	07/30/2015
WOO YONG LEE	07/30/2015
HYUN KYU CHUNG	07/30/2015

RECEIVING PARTY DATA

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City:	DAEJEON
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Postal Code:	34129

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15904279

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ATTORNEY DOCKET NUMBER:	MUH-176NPC2
NAME OF SUBMITTER:	STEVEN M. RABIN
SIGNATURE:	/Steven M. Rabin/
DATE SIGNED:	02/23/2018

PATENT REEL: 045025 FRAME: 0126 This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT REEL: 045025 FRAME: 0127

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS <u>Hyoung Jin KWON, Yong Sun KIM, Kap Seok CHANG, Seung Eun HONG, Sung Geun JIN, Woo Yong LEE and Hyun Kyu CHUNG of Republic of Korea</u>, hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to

METHOD AND APPARATUS FOR ALLOCATING RESERVATION RESOURCE FOR RELAY IN WIRELESS COMMUNICATION SYSTEM USING MEDIA ACCESS CONTROL BASED ON RESERVATION,

[x] said application being attached hereto;	Olates Balanta at Ta			
[] said application having been filed in the United, as Applicatio			and was	amended
on				5
[] the specification of which was filed under the P Serial No, the United States	atent Cooperation Tre			,
AND WHEREAS ELECTRONICS AND TEL	_ECOMMUNICATIO	NS RESEARCH	INSTITUT	E of
218 Gajeong-ro, Yuseong-gu				= *.
hereinafter referred to as the assignee or applican and to said application, including any and all divisions any and all patents which may be granted therefor thereof;	ons and continuations	thereof, and in and	d to said inv	ention and
NOW THIS WITNESSETH, that for and valuable consideration paid by said assignee to sa assignor hereby assigns, sells and transfers to sa full and exclusive right, title and interest in all continuations thereof, and in and to said inventificulting any and all renewals, reissues and successors and assigns, to have, hold, exercise and continuations thereof, and the said inventificulting any and all renewals, reissues and proadvantages in anywise arising from or appertaining patents when granted, including any and all renew of said assignee, and said assignee's successors assignor might or could have held and enjoyed the	aid assignor, the receivated assignee, and said application and any and all prolongations therecand enjoy the said a polongations thereof, where the prolongations thereof, where the there to and and prolongations and prolongations and prolongations, in as an and assigns, in as and assigns.	pt of which is here I assignee's succest, including any patents which man of; said assignee, pplication, including the term or ten ongations thereof, mple and beneficia	by acknowled soors and all dividence of any and all granted any and any be granted powers, privities of any all for the use all a manner and any all all and and all all and all all all all all all all all all al	edged, said ssigns, the isions and d therefor, assignee's all divisions d therefor, rileges and all such and benefit
AND said assignor hereby agrees to pe successors or assigns, any and all acts relating to and all renewals, reissues and prolongations there	the obtaining or to th			
AND said assignor authorizes and requ Letters Patent on said application, and on any an- said assignee's successors and assigns, in accord	d all divisions and co			
As an above-named inventor, I hereby authorized to be made by me, and that I am the invention in the application.				
I hereby acknowledge that any willful fals U.S.C. 1001 by fine or imprisonment of not more t			s punishable	under 18
Address all correspondence and telephor 500, Washington, D.C. 20005, Telephone: (202) 3				
WITNESS:	ASSIGNOR (S	COLE OR FIRST IN	IVENTOR):	
Signature:	Signature:	MM		
Name:	Legal Name:	Hyoung Jin KW	/ON	

Address:

July 30, 2015 ATENT

REEL: 045025 FRAME: 0128

Continued – Page 2 ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WITNESS:	ASSIGNOR (SECOND INVENTOR):		
Signature:	Signature:		
Name:	Legal Name: Yong Sun KIM		
Address:			
WITNESS:	ASSIGNOR (THIRD INVENTOR):		
Signature:	Signature:		
Name:	Legal Name: Kap Seok CHANG		
Address:	Date: <u>July 30, 2015</u>		
WITNESS:	ASSIGNOR (FOURTH INVENTOR):		
Signature:	Signature:		
Name:	Legal Name: Seung Eun HONG		
Address:	Date: <u>July 30, 2015</u>		
WITNESS:	ASSIGNOR (FIFTH INVENTOR):		
Signature:	Signature:		
Name:			
Address:			
WITNESS:	ASSIGNOR (SIXTH INVENTOR):		
Signature:	Signature:		
Name:	Legal Name: Woo Yong LEE		
Address:			
WITNESS:	ASSIGNOR (SEVENTH INVENTOR):		
Signature:	Signature:		
Name:			
Address:	Date: July 30, 2015		

RABIN & BERDO, P.C., Washington, D.C.

RECORDED: 02/23/2018

PATENT REEL: 045025 FRAME: 0129