502027632 08/16/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Kap Seok CHANG	08/14/2012
Hyoung Jin KWON	08/14/2012
Sung Geun JIN	08/14/2012
Yong Sun KIM	08/14/2012
Seung Eun HONG	08/14/2012
Woo Yong LEE	08/14/2012
Hyun Kyu CHUNG	08/14/2012

RECEIVING PARTY DATA

Name:	Electronics and Telecommunications Research Institute
Street Address:	161, Gajeong-dong, Yuseong-gu
City:	Daejeon
State/Country:	KOREA, REPUBLIC OF
Postal Code:	305-700

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13579469

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: MUH-173NP

PATENT
REEL: 028799 FRAME: 0359

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NAME OF SUBMITTER:	Steven M. Rabin
Total Attachments: 3 source=MUH-173NP-Asgn#page1.tif source=MUH-173NP-Asgn#page2.tif source=MUH-173NP-Asgn#page3.tif	

PATENT REEL: 028799 FRAME: 0360

Attorney Reference

WHEREAS CHANG, Kap Seok of Daejeon, Republic of Korea; KWON, Hyoung Jin of Daejeon, Republic of Korea; JIN, Sung Geun of Daejeon, Republic of Korea; KIM, Yong Sun of Daejeon, Republic of Korea; HONG, Seung Eun of Daejeon, Republic of Korea; LEE, Woo Yong of Deajeon, Republic of Korea; CHUNG, Hyun Kyu of Deajeon, Republic of Korea,

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to

WIR	ELESS	COMM	<u>IUNICATION</u>	METHO	DD AND	APPARA	TUS FO	R TRAI	MITTIMEN	IG AND	RECE	EIVII	NG
		ROUGH	RELAY										
IV/I	the inv	entarie)	declaration	for said	application	nn heina	evecuted	CORCUE	ently with	the ev	ecution	of t	hie

[V] the inventor(s) declaration for said application being executed concurrently with the execution of the	h
instrument; said application to be filed in the United States Patent and Trademark Office;	
[] said application having been filed in the United States Patent and Trademark Office on	
, authorization being hereby given to my attorneys, Steven M. Rabin, Robert	Н
Berdo, Jr. and Allen Wood of RABIN & BERDO, P.C., 1101 14th Street, N.W., Washington, D.C. 20005,	to
insert here in parentheses (Application Serial No) the application serial number	a
said application when known;	

AND WHEREAS <u>Electronics and Telecommunications Research Institute of 161 Gaieong-dong, Yuseong-gu, Daejeon 305-700, Republic of Korea</u>, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

10 0010 000.51	EXECUTED, this <u>14</u> day of		, 2012.	
WITNESSES:		ASSIGNOR:	//	
Signature:	······································	Signature	Chayr	
Name:		Name: CHANG, Kap Seok		
Address:				
Signature:				
Name:				
Address:				

PATENT REEL: 028799 FRAME: 0361

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT Page 2 of 3

WITNESSES: Signature:	Name: <u>KWON, Hyoung Jin</u>
RABIN & BERDO, P.C., Washington, D.C.	• •
WITNESSES: Signature:	ASSIGNOR: Signature
Name:Address:	
Signature:	
Address:	
WITNESSES: Signature:	ASSIGNOR: Signature % & h/
Name:Address:	Name: KIM, Yong Sun
Signature:	
Address:	

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WITNESSES:	ASSIGNOR:		
Signature:	Signature		
Name:	Name: HONG, Seung Eun		
Address:	***************************************		
Signature:			
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WITNESSES:	ASSIGNOR:		
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PATENT REEL: 028799 FRAME: 0363

RECORDED: 08/16/2012