502558415 11/05/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2604104

UBMISSION TYPE	1	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:			ASSIGNMENT			
CONVEYING PART	/ DATA					
			ame Execution Date	\neg		
SEUNG KWON BAEK			11/05/2013			
JAE YOUNG AHN			11/05/2013			
RECEIVING PARTY	ΠΔΤΔ					
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Name:	ELECTRONIC	CS & TEL	ECOMMUNICATIONS RESEARCH INSTITUTE			
Street Address:	161 GAJEON	IG-DONG	S, YUSEONG-GU	_		
City:	DAEJEON					
State/Country:	KOREA, REP	KOREA, REPUBLIC OF				
		305-700				
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11/05/2013

Total Attachments: 2

Date:

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REEL: 031548 FRAME: 0072

Client Reference No.: IP20121464(ET120144US E-Sang)

in the

ASSIGNMENT

I/We BAEK, Seung Kwon, AHN, Jac Young in consideration of One Dollar and other valuable consideration paid to me/us by

Electronics & Telecommunications Research Institute

having its principal place of business at 161 Gajeong-dong, Yuseong-gu, Daejeon, REPUBLIC OF KOREA, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

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its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

METHOD OF DEVICE-TO-DEVICE DISCOVERY AND APPARATUS THEREOF described in an application

M	executed by me/us of even date herewith and about to be filed						
	Serial No_		, filed on				
Unit	ed States Pai	ent and Trader	mark Office, i	and in all Lette	ers Patent of th	e United	
and.	all foreign c	ountries which	may or shall	be granted on	said invention	, or any part	

States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon.

And I/we agree, for myself/ourselves and my/our executor(s) and administrator(s), with said assignee and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said assignee, with specifications and claims in such form as shall be approved by the counsel of said assignee and to vest and confirm in said assignee, its successors and assigns, the legal title to all such patents.

And I/we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said assignee, its successors and assigns.

And I/we do further hereby grant the attorneys/agents of Nelson Mullins Riley and Scarborough, LLP, the power to insert on this Assignment the filing date and/or application number of said application.

PATENT REEL: 031548 FRAME: 0073

Client Reference No.: IP20121464(ET120144US E-San	g)	
By: Serry Koon Balk. (Name) BAEK, Seeng Kwon		
Date: 1000, \$, 2013		
Witness:		
(Name)	Date	
By: (Name) AHN, Jac Young		
Date: Nov. 5, 2013		
Witness:		<u> </u>
(Name)	Date	

PATENT REEL: 031548 FRAME: 0074

RECORDED: 11/05/2013