504381017 05/23/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HYUN-JEONG YIM	03/23/2017
SOON-CHOUL KIM	03/24/2017
BYUNG-JUN BAE	03/24/2017
HYE-JU OH	03/24/2017
HEUNG-MOOK KIM	03/24/2017
HYOUNG-SOO LIM	03/24/2017
NAM-HO HUR	03/24/2017

RECEIVING PARTY DATA

Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
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Postal Code:	305-700

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15599390

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	KEVIN W. RAUDEBAUGH	
SIGNATURE:	/KEVIN W. RAUDEBAUGH/	
DATE SIGNED:	05/23/2017	

504381017 PATENT REEL: 042483 FRAME: 0213

Total Attachments: 2

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PATENT REEL: 042483 FRAME: 0214

Attorney Docket No.: 110HY2046US Client Reference No.: FE16263US

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, the below named individual(s), hereinafter referred to as "Assignors," are the inventor(s) of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: APPARATUS FOR TRANSMITTING AND

RECEIVING DYNAMIC MULTI-MODE SERVICE AND METHOD FOR PROVIDING THE SAME

Filing Date:

May 18, 2017

Application No.:

15/599,390

WHEREAS, ELECTRONICS AND TELECOMMUNICATIONS RESEARCH

INSTITUTE of 218, Gajeong-ro. Yuseong-gu, Daejeon 305-700, Republic of Korea, hereinafter referred to as "ASSIGNEE," is desirous of acquiring ASSIGNORS' interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREPORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignees, and Assignees' successors and assigns, all their right, title and interest in and to the said invention and application including any corresponding foreign application, and in and to any Letters Patent which may hereafter be granted on the same in the United States and any corresponding foreign application, the said interest to be held and enjoyed by said Assignees as fully and exclusively as it would have been held and enjoyed by said Assignors had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request AMPACC Law Group, PLLC, 6100 219th Street SW, Suite 580, Mountlake Terrace, WA 98043, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

March 23,2017	Get of 6
Date:	Name: YIM, Hyun-Jeong
March 24, 29/7	Name: KIM, Soon-Choul
Word 24 2019. Date:	Name: BAE, Byung-Jun
March 24, 20(1) Date:	Name: OH, Hye-Ju
MAR 24, 2017 Date:	Name: KIM, Heung-Mook
March 24, 2019 Date:	Name: LIM, Hyoung-Soo
March 24, 2017 Date:	Name: HUR, Nam-Ho