

<b>PATENT ASSIGNMENT COVER SHEET</b>
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 Stylesheet Version v1.2

EPAS ID: PAT5602488

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAE-YOUNG LEE	04/20/2017
SUNG-IK PARK	04/20/2017
SUN-HYOUNG KWON	04/20/2017
HEUNG-MOOK KIM	04/20/2017
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<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16460773
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
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<b>NAME OF SUBMITTER:</b>	SONIA Y. TOYO
<b>SIGNATURE:</b>	/Sonia Y. Toyo/
<b>DATE SIGNED:</b>	07/02/2019
<b>Total Attachments: 2</b>	
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### 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: BROADCAST SIGNAL FRAME GENERATION  
APPARATUS AND BROADCAST SIGNAL FRAME  
GENERATION METHOD USING LAYERED  
DIVISION MULTIPLEXING

Filing Date: July 2, 2019

Application No.: 16/460,773

WHEREAS, ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE of (Gajeong-dong) 218, Gajeong-ro, Yuseong-gu, Daejeon 34129, 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, THEREFORE, 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 219<sup>th</sup> 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.

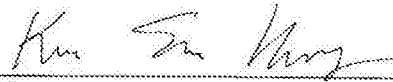
April 20, 2017  
Date:

  
Name: LEE, Jae-Young

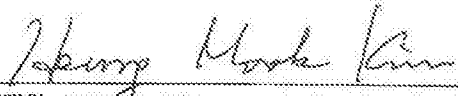
April 20, 2017  
Date:

Sung Ik Park  
Name: PARK, Sung-Ik

April 20, 2017  
Date:

  
Name: KWON, Sun-Hyoung

APR. 20, 2017  
Date:

  
Name: KIM, Heung-Mook