

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                           |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                               |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                          |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                    |
| BAE KEUN LEE                                                                                                                                                                                    | 04/04/2016                               |
| JOO YOUNG KIM                                                                                                                                                                                   | 04/04/2016                               |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                          |
| <b>Name:</b>                                                                                                                                                                                    | KT CORPORATION                           |
| <b>Street Address:</b>                                                                                                                                                                          | 90, BULJEONG-RO, BUNDANG-GU, SEONGNAM-SI |
| <b>City:</b>                                                                                                                                                                                    | GYEONGGI-DO                              |
| <b>State/Country:</b>                                                                                                                                                                           | KOREA, REPUBLIC OF                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 13606                                    |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                          |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                            |
| <b>Application Number:</b>                                                                                                                                                                      | 16036910                                 |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                          |
| <b>Fax Number:</b>                                                                                                                                                                              | (571)267-7255                            |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                                          |
| <b>Phone:</b>                                                                                                                                                                                   | 5712677183                               |
| <b>Email:</b>                                                                                                                                                                                   | email@iplsllc.com                        |
| <b>Correspondent Name:</b>                                                                                                                                                                      | IP LEGAL SERVICES, LLC                   |
| <b>Address Line 1:</b>                                                                                                                                                                          | P.O. BOX 651325                          |
| <b>Address Line 4:</b>                                                                                                                                                                          | STERLING, VIRGINIA 20165                 |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 812.0119                                 |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | KYUNG HEE KIM                            |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Kyung Hee Kim/                          |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 07/16/2018                               |
| <b>Total Attachments: 4</b>                                                                                                                                                                     |                                          |
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| source=098120119ParentExecutedAssignments1#page4.tif                                                                                                                                            |                                          |

**ASSIGNMENT**Application No. 16/036,910Filing Date 07/16/2018

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

- 1) LEE, Hae Keun
- 2) KIM, Joo Young

who have made certain new and useful inventions, hereby sell, assign and transfer to

**KT CORPORATION**

having an address at

90, Buljeong-ro, Bundang-gu, Seongnam-si, Gyeonggi-do 13606, Republic of Korea

its successors, assigns and legal representatives (collectively "Assignee"), the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements ("Inventions") related to

**METHOD AND DEVICE FOR ENCODING/DECODING MULTI-LAYER VIDEO SIGNAL**

As described in an application for Letters Patent of the United States of America filed on 07/16/2018 and assigned U.S. Patent Serial Number 16/036,910, or if not identified here by filing date and serial number, executed on even date with the execution of this Assignment, and in and to the application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries for the Inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefore including any reissues and extensions thereof.

The undersigned agree that when requested will, without charge to Assignee but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for the Inventions in any and all countries and for vesting title thereto in Assignee.

The undersigned authorize and empower Assignee to make applications for patent or other form of protection for the Inventions in Assignee's own name in any and all countries, and to invoke and claim for any application for patent or other form of protection for the Inventions filed by Assignee the benefit of all rights of priority provided by any and all treaties, conventions or agreements without further written or oral authorization.

Customer No.: 76277

Attorney Docket No.: 812.0046  
812.0119

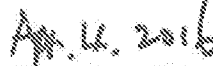
The undersigned hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or similar document which may be required in any country for any purpose, including proof of the right of Assignee to apply for patent or other form of protection for the Inventions and to claim the aforesaid benefit of the right of priority.

The undersigned authorize attorneys for Assignee to insert the filing date and serial number into this Assignment Agreement after the application for Letters Patent has been filed and a serial number has been assigned to such application.

IN WITNESS WHEREOF, we have hereunto signed our name(s) on the day and year set forth below.

INVENTOR

DATE

- 1)    
LEE, Bae Keun
- 2) \_\_\_\_\_  
KIM, Joo Young

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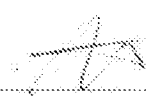
INVENTOR

DATE

1)

\_\_\_\_\_  
LEE, Bae Keun

2)

  
\_\_\_\_\_  
KIM, Joo Young

April 14, 2016