505202490 11/21/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5249258

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUNG-HO KIM	11/21/2018
BYUNG-JAE KIM	11/21/2018
JOON-WOO PARK	11/21/2018
HYUN-JUNG OH	11/21/2018

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16198631

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NAME OF SUBMITTER:	KYUNG HEE KIM
SIGNATURE:	/Kyung Hee Kim/
DATE SIGNED:	11/21/2018

Total Attachments: 2

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PATENT 505202490 REEL: 047566 FRAME: 0252

Customer No.: 76277 Attorney Docket No.: 801.0191

ASSIGNMENT

Application No. 16/198,631	Filing Date	11/21/2018	
For good and valuable consideration acknowledged, the undersigned:	, the receipt and suffici	ency of which	is hereb

- 1) KIM, Jung-Ho
- 2) KIM, Byung-Jae
- 3) PARK, Joon-Woo
- 4) OH, Hyun-Jung

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

PROVIDING PROMOTION CHANNEL

As described in an application for Letters Patent of the United States of America filed on 11/21/2018 and assigned U.S. Patent Serial Number 16/198,631, 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.

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)	Kim Sway Ho	11/21/20/3
**:	KIM, Jung-Ho	
2)	B5. KIM	11/23/2018
~~ <i>y</i>	KIM, Byung-Jae	
3)	PAUR JOHNWAS	11/21/2018
	PARK, Joon-Woo	
4)	Oh, Hyun Jung	11/21/2018
	OH, Hyun-Jung	