506233429 09/02/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JINHEE YOO	08/20/2020
JI SEON CHOI	08/19/2020
CHIHOON RYU	08/20/2020
SEONG RAN SEO	08/18/2020

RECEIVING PARTY DATA

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Street Address:	11F, 42, HWANGSAEUL-RO 360BEON-GIL, BUNDANG-GU
City:	SEONGNAM-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	463-721

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17007419

CORRESPONDENCE DATA

Fax Number: (703)668-8200

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: HARNESS, DICKEY & PIERCE, P.L.C.

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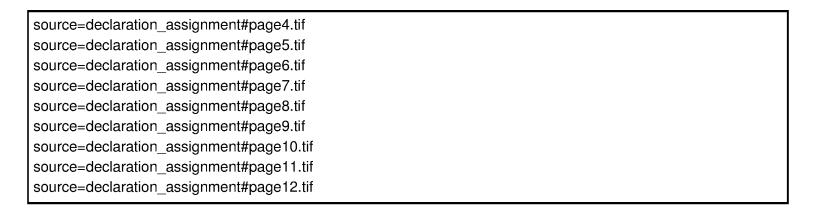
Address Line 4: RESTON, VIRGINIA 20195

ATTORNEY DOCKET NUMBER:	16634LN-000125-US
NAME OF SUBMITTER:	GARY D. YACURA, REG. NO. 35,416
SIGNATURE:	/Gary D. Yacura/
DATE SIGNED:	09/02/2020

Total Attachments: 12

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PATENT 506233429 REEL: 053672 FRAME: 0708



PATENT REEL: 053672 FRAME: 0709

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application entitled:

TITLE: APPARATUS AND METHOD FOR PROVIDING 360-DEGREE PANORAMIC BACKGROUND DURING VIDEO CALL

As a below named inventor, I hereby declare that:

This declaration is directed to (check one):

X The attached application, or

United States application or PCT international application number filed on .

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

i hereby acknowledge that any willful false statement made in this declaration and assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

For good and valuable consideration, the receipt and adequacy whereof I hereby acknowledge, I hereby confirm any prior assignment to LINE Plus Corporation, 11F, 42 Hwangsaeul-ro, 360beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, REPUBLIC OF KOREA 13591 (hereinafter "Assignee"), and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention,

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and any foreign countries, to the inventions as described in the above-identified application, to the above-identified application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the above-identified application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by me had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights.

I hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination, derivation proceeding, opposition, post grant review, reissue, reexamination, inter parties review, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth.

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order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Jinhee YOO	_
August 20, 2020	
Dated	_
Ji Seon CHOI	_
Dated	_
	_
Chihoon RYU	
	_
Dated	
Seong Ran SEO	_
Dated	_

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order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document. Jinhee YOO Dated Ji Seon CHOI 2020. 08. 19 Dated Chihoon RYU Dated Seong Ran SEO Dated

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Jinhee YOO			
Dated			
Ji Seon CHOI			
Daled			
Chihoon RYU		[4] {	
Dated	20	AUG	2023
Seong Ran SEO	***************************************		
Dated			

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2020. 8,18 Dated	