11/16/2018 505194687

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONG BEOM CHOI	11/07/2018
TAE SUNG LEE	10/29/2018
MIN JI JIN	10/29/2018

RECEIVING PARTY DATA

Name:	LG INNOTEK CO., LTD.	
Street Address:	98, HUAM-RO, JUNG-GU	
City:	SEOUL	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	04637	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16302308

CORRESPONDENCE DATA

Fax Number: (703)766-3644

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.

Phone: 7037663777

Email: ked-docket@ked-iplaw.com KED & ASSOCIATES, LLP **Correspondent Name:**

Address Line 1: P.O. BOX 8638

Address Line 4: RESTON, VIRGINIA 20195

ATTORNEY DOCKET NUMBER:	HI-1456
NAME OF SUBMITTER:	DANIEL Y.J. KIM
SIGNATURE:	/Daniel Y.J. Kim/
DATE SIGNED:	11/16/2018

Total Attachments: 3

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> **PATENT REEL: 047526 FRAME: 0096** 505194687

Do	et No.: <u>HI-1456</u> <u>ASSIGNMENT</u>	
suff	In consideration of the premises and other good and valuable consideration in hand paid, the receipt and iency of which is hereby acknowledged, the undersigned,	
(1)	ong Beom CHOI (4)	
(2)	Tae Sung LEE (5)	
(3)	<u>Min Ji JIN</u> (6)	
who	have made a certain new and useful invention, hereby sell, assign and transfer unto	
ita a	LG INNOTEK Co., LTD. 98, Huam-ro, Jung-gu, Seoul, 04637, Republic of Korea	
of A	ccessors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States nerica as defined in 35 U.S.C. 100 in the invention entitled	
	FLASH MODULE AND TERMINAL COMPRISING SAME	
Uni	or which an application for United States Letters Patent was filed on, and identified by d States Serial No; or	
(b)	or which an application for United States Letters Patent was executed on $\underline{\text{October 29, 2018; November}}$ 7, 201	8
any exte pric to t	he undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue and all United States Letters Patent which may be granted therefor and/or that claim priority thereto and any and all sions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof and/or that claim by thereto, and the right to all benefits under the International Convention for the Protection of Industrial Property and ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;	
of t imp any	AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making cation for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request a said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any evenents, and applications for patent based thereon, growing out of or related to the said invention; and to execute apers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's rotection and title in and to the invention hereby transferred.	
assi autl	AND the undersigned hereby grants the firm of KED & ASSOCIATES, LLP the power to insert on this unent any further identification that may be necessary or desirable in order to comply with the rules of any issuing only, including the United States Patent and Trademark Office, for recordation of this document.	
SIG	IED on the dates indicated aside our signatures:	
	NVENTORS DATE SIGNED	
1)	18. 11. 7	

Docket No.: <u>HI-1456</u>	
ASSIGNM	MENT
In consideration of the premises and other good a sufficiency of which is hereby acknowledged, the undersigned,	and valuable consideration in hand paid, the receipt and
(1) Jong Beom CHOI	(4)
(2) Tae Sung LEE	(5)
(3) Min Ji JIN	(6)
who have made a certain new and useful invention, hereby sell,	, assign and transfer unto
<u>LG INNOTEK</u> 98, Huam-ro, Jung-gu, Seoul	
its successors and assigns (hereinafter designated "ASSIGNEI of America as defined in 35 U.S.C. 100 in the invention entitled	E") the entire right, title and interest for the United States
FLASH MODULE AND TERM	INAL COMPRISING SAME
(a) for which an application for United States Letters Patent w United States Serial No; or	as filed on, and identified by
(b) for which an application for United States Letters Patent w	as executed on October 29, 2018; November 7, 2018
and the undersigned hereby authorize and request the United any and all United States Letters Patent which may be granted extensions, divisions, reissues, substitutes, renewals, continua priority thereto, and the right to all benefits under the Internation to the said ASSIGNEE, for its interest as ASSIGNEE, its sucagree that the attorneys of record in said application shall herea	therefor and/or that claim priority thereto and any and all tions, or continuations in part thereof and/or that claim tonal Convention for the Protection of Industrial Property ecessors, assigns and legal representatives; the undersigned
AND the undersigned hereby agree to transfer a like application for and obtaining original, divisional, reissued or e of the said ASSIGNEE, its successors, assigns and legal repres improvements, and applications for patent based thereon, grov any papers by the said ASSIGNEE, its successors, assigns an full protection and title in and to the invention hereby transfer.	entatives, and without further remuneration, in and to any ving out of or related to the said invention; and to execute d legal representatives, deemed essential to ASSIGNEE's
AND the undersigned hereby grants the firm of K assignment any further identification that may be necessary or authority, including the United States Patent and Trademark O	ED & ASSOCIATES, LLP the power to insert on this desirable in order to comply with the rules of any issuing ffice, for recordation of this document.
SIGNED on the dates indicated aside our signatures:	
INVENTORS	DATE SIGNED
1)	
Name: Jong Beom CHOI	******
2) 9-0	20/8, 10,29
Name: Tae Sung LEE	
3)	
Name: Min Ji JIN	

Name:

Name:

Name:

6)

PATENT REEL: 047526 FRAME: 0098

Docket No.	HI-1456
DOUNCE INDE	l. J.J L .t. 21.1

ASSIGNMENT In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned, (1) <u>Iong Beom CHOI</u> (2) Tae Sung LEE (5) (3) Min Ji IIN (6) who have made a certain new and useful invention, hereby sell, assign and transfer unto LG INNOTER CO., LTD. 98, Huam-to, Jung-gu, Seoul, 04637, Republic of Korea its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled FLASH MODULE AND TERMINAL COMPRISING SAME (a) for which an application for United States Letters Patent was filed on _______, and identified by United States Serial No. ______; or (b) for which an application for United States Letters Patent was executed on October 29, 2018; November 7, 2018 and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and/or that claim priority thereto and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof and/or that claim priority thereto, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE; AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred. AND the undersigned hereby grants the firm of KED & ASSOCIATES, LLP the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of any issuing authority, including the United States Patent and Trademark Office, for recordation of this document. SIGNED on the dates indicated aside our signatures: **INVENTORS** DATE SIGNED 1) Name: Jong Beom CHOI Name: Tae Sung LEE 18.10.2 Name: Min Ji JIN 4) Name: Name:

> PATENT REEL: 047526 FRAME: 0099

Name: