505202096 11/21/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5248864

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
	Corrective Assignment to correct the THIRD ASSIGNOR "JIN HEE KIM" TO READ GYEONG IL JIN previously recorded on Reel 047396 Frame 0788. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
SEONG JIN HWANG	10/29/2018
SE EUN KANG	10/25/2018
GYEONG IL JIN	10/25/2018

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:	16098645

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
Correspondent Name: KED & ASSOCIATES, LLP

Address Line 1: P.O. BOX 8638

Address Line 4: RESTON, VIRGINIA 20195

ATTORNEY DOCKET NUMBER:	HI-1453
NAME OF SUBMITTER:	DANIEL Y.J. KIM
SIGNATURE:	/Daniel Y.J. Kim/
DATE SIGNED:	11/21/2018

Total Attachments: 5

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PATENT REEL: 048158 FRAME: 0913

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> PATENT REEL: 048158 FRAME: 0914



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOVEMBER 5, 2018

PTAS

KED & ASSOCIATES, LLP P.O. BOX 8638 RESTON, VA 20195 505173268

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RECORDATION DATE: 11/02/2018 REEL/FRAME: 047396/0788

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: HI-1453

ASSIGNOR:

HWANG, SEONG JIN DOC DATE: 10/29/2018

ASSIGNOR:

KANG, SE EUN DOC DATE: 10/25/2018

ASSIGNOR:

mw.Kriphymmotryhumhtetemm Gveong Il IIN DOC DATE: 10/25/2018

ASSIGNEE:

LG INNOTEK CO., LTD.

98, HUAM-RO, JUNG-GU

SEOUL, KOREA, REPUBLIC OF 04637

APPLICATION NUMBER: 16098645 FILING DATE:
PATENT NUMBER: ISSUE DATE:
TITLE: LIGHT MODULE AND LIGHTING DEVICE HAVING SAME

ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5220036

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEONG JIN HWANG	10/29/2018
SE EUN KANG	10/25/2018
JIN HEE KIM	10/25/2018

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:	16098645

CORRESPONDENCE DATA

Fax Number: (703)766-3644

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Phone: 7037663777

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

Address Line 1: P.O. BOX 8638

Address Line 4: RESTON, VIRGINIA 20195

ATTORNEY DOCKET NUMBER:	HI-1453
NAME OF SUBMITTER:	DANIEL Y.J. KIM
SIGNATURE:	/Daniel Y.J. Kim/
DATE SIGNED:	11/02/2018

Total Attachments: 3

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> PATENT REEL: 048158 FRAME: 0916

Docket No. H1453	
	ASSIGNMENT
In consideration of the premises and sufficiency of which is hereby admowledged, the	other good and valuable consideration in hand paid, the receipt and undersigned,
() Scong Jin HWANG	4) Gyeong IIJIN
© Sc Eun KANG	
(2) Jin Her KIM	(6)
who have made a certain new and useful inventi-	on, hereby sell, assign and transfer unto
L 98, Huam-ro, Jun	G INNOTEK <u>CO., LTD.</u> g-gu, Scool, 14637, Republic of Kores
	"ANNIGNEE") the entire right, title and insciret for the United States of
	ND LIGHTING DEVICE HAVING SAME
Brited States Serial No/	
(b) for which an application for United States L	offers Patent was executed on
any and all United States Letters Parent which in extensions, divisions, resistes, substitutes, rene among therein, and the right to all benefits und- to the said ASSIGNEE, for its interest as ASSI	so the United States Commissioner of Patents and Trademarks to assue ay be granted therefor and/or that claim priority thereto and any and all wals, commissions, or continuations in part thereof and/or that claims it the International Convention for the Protection of Industrial Property INFE, its successors, assigns and legal representatives; the undersigned ann shall hereafter act on behalf of said ASSIGNEE;
application for and obtaining original, divisional of the said ASSIGNEE, its successors, assigns a improvements, and applications for patent based	transfer a like interest, and to render all necessary assistance in making reissued or extended Letters Patent of the United States, upon request ad legal representatives, and without further remaneration, in and to any thereou, growing out of or related to the said silvention, and to execute a segmental to ASSIGNEE's full y transferred.
assignment any further identification that may b	he firm of KFD & ASSOCIATES, LLP the power to insert on this necessary or desirable in order to comply with the rules of any issuing Teademark Office, for recordation of this document.
GOVED on the dates indicated aside our signar	ires
INVENTORS	DATE SIGNED
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	248-10-29
Name: Seong Jin HWANG	
Name: Se Eun KANG	
Name Jim Hee KIM	

4)

8)

٥,

Name

Name:

Name Greeng II JIN

Docket No.: HI-1453 ASSIGN	MENT		
	and valuable consideration in hand paid, the receipt and		
(1) Seong Jin HWANG	(4) Gyeong II JIN		
(2) Se Eun KANG	(5)		
(3) Jin Hee KIM	(6)		
who have made a certain new and useful invention, hereby sel	, assign and transfer unto		
LG INNOTER 98, Huam-10, Jung-gu, Scoul	Co., LTD. , 04637, Republic of Korea		
its successors and assigns (hereinafter designated "ASSIGNE of America as defined in 35 U.S.C. 100 in the invention entitle	E") the entire right, title and interest for the United States d		
LIGHTING MODULE AND LIGH	TING DEVICE HAVING SAME		
(a) for which an application for United States Letters Patent w United States Serial No; or	ras filed on, and identified by		
(b) for which an application for United States Letters Patent v	October 25, 2018; October 29, 2015		
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 application for and obtaining original, divisional, reissued or to of the said ASSIGNEE, its successors, assigns and legal representation of the said ASSIGNEE, its successors, assigns and applications for patent based thereon, grown papers by the said ASSIGNEE, its successors, assigns and full protection and title in and to the invention hereby transfer	entatives, and without further remuneration, in and to any wing 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 C	ED & ASSOCIATES, LLP the power to insert on this desirable in order to comply with the rules of any issuing office, for recordation of this document.		
SIGNED on the dates indicated aside our signatures:			
INVENTORS	DATE SIGNED		
1)			
Name: Seong Jin HWANG			
2) 1/26	25th Oct, 2018		
Name: Se Eun KANG			
Name: Jin Hee KIM			
4)			
Name: Gyeong Il JIN			
5)			
Name:			

Name:

Docket No.: HI-1453	
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,	
(2) Se Eun KANG	(5)
(3) Jin Hee KIM	(6)
who have made a certain new and useful invention, here	by sell, assign and transfer unto
	OTEK CO., LTD. Seoul, 04637, Republic of Korea
of America as defined in 35 U.S.C. 100 in the invention	
	IGHTING DEVICE HAVING SAME
(a) for which an application for United States Letters Pa United States Serial No; or	itent was filed on, and identified by
	atent was executed on October 25, 2018; October 29, 2015
extensions, divisions, reissues, substitutes, renewals, co priority thereto, and the right to all benefits under the Ir to the said ASSIGNEE, for its interest as ASSIGNEE, agree that the attorneys of record in said application shall	ranted therefor and/or that claim priority thereto and any and all entinuations, or continuations-in-part thereof and/or that claim international Convention for the Protection of Industrial Property its successors, assigns and legal representatives; the undersigned ll hereafter act on behalf of said ASSIGNEE; r a like interest, and to render all necessary assistance in making
application for and obtaining original, divisional, reissue of the said ASSIGNEE, its successors, assigns and legal improvements, and applications for patent based thereo	ed or extended Letters Patent of the United States, upon request representatives, and without further remuneration, in and to any n, growing out of or related to the said invention; and to execute gns and legal representatives, deemed essential to ASSIGNEE's
AND the undersigned hereby grants the firm assignment any further identification that may be necess authority, including the United States Patent and Traden	of KED & ASSOCIATES, LLP the power to insert on this sary or desirable in order to comply with the rules of any issuing nark Office, for recordation of this document.
SIGNED on the dates indicated aside our signatures:	
INVENTORS	DATE SIGNED
1) Name: Seong Jin HWANG	
2) Name: Se Eun KANG	
3) Name: Jin Hee KIM	
4)	10/25/2012
Name: Gyeong II JIN	

PATENT REEL: 048158 FRAME: 0919

RECORDED: 11/21/2018

Name: