503328052 05/29/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3374670

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JI HYUNG MOON	05/29/2015
SANG YOUL LEE	05/29/2015
BUM DOO PARK	05/29/2015
CHUNG SONG KIM	05/29/2015
SANG ROCK PARK	05/29/2015
BYUNG HAK JEONG	05/29/2015
TAE YONG LEE	05/29/2015

RECEIVING PARTY DATA

Name:	LG INNOTEK CO., LTD.
Street Address:	SEOUL SQUARE, 416, HANGANG-DAERO, JUNG-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	100-714

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	14725469		

CORRESPONDENCE DATA

Fax Number:(703)2		205-8050		
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:	(703)	205-8000		
Email:	mailro	oom@bskb.com, brian.olive@bskb.com		
Correspondent Name:	BIRC	H, STEWART, KOLASCH & BIRCH, LLP		
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Address Line 4: FALL		S CHURCH, VIRGINIA 22040-0747		
ATTORNEY DOCKET NUMBER:		3449-2251PUS1		
NAME OF SUBMITTER:		BRIAN OLIVE		
SIGNATURE:		/brian olive/		
DATE SIGNED:		05/29/2015		

Total Attachments: 5

source=2015-05-29_Assignment_with_Substitute_Statement_3449-2251PUS1#page1.tif source=2015-05-29_Assignment_with_Substitute_Statement_3449-2251PUS1#page2.tif source=2015-05-29_Assignment_with_Substitute_Statement_3449-2251PUS1#page3.tif source=2015-05-29_Assignment_with_Substitute_Statement_3449-2251PUS1#page4.tif source=2015-05-29_Assignment_with_Substitute_Statement_3449-2251PUS1#page5.tif

BIRCH, STEWART, KOLASCH & BIRCH, LLP P.O. Box 747 * Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 * Facsimile: (703) 205-8050 * Email: mailroom@bskb.com DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS Title of Invention 10 LIGHT EMITTING DEVICE As a below named inventor (hereinafter designated as the undersigned), I hereby declare that: Application not \sim This declaration is directed to the application attached hereto. If the application is not attached hereto, Attached the application is as identified by the attorney docket number as set forth above and/or the following: Enter Appls, No. 🛛 🗢 United States Application Number or PCT International Appln. No. Enter Filing Date 🛛 🔿 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 application. I have reviewed and understand the contents of the above-identified application, including the claims. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56. WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified. Insert Name WHEREAS, LG INNOTEK CO., LTD. of Assignce linsert Address :::) Seoul Square, 416, Hangang-daero, Jung-gu, Seoul, 100-714, Republic of Korea, of Assigned its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and Check Box if 🔀 in any foreign countries. Appropriate NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for

the full term or terms for which the same may be granted.

BIRCH, STEWART, KOLASCH & BIRCH, LLP

85KB-SUPPL-SICANTURES/09-12)



Attorney Docket No.: 3449-2251PUS1

Application SN.: 14/725,469 filed on May 29, 2015

The undersigned agrees to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

LEGAL NAME OF INVENTOR

Invenior's Name	¢,	Inventori	Moon, Ji Hyung	Date:	15	<u>\$ 29</u>
Inventor's Signature	¢.	mannes	275	•••••		

An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.

Additional inventors are being named on the <u>1</u> supplemental sheet(s) attached hereto.

BSK8-DECASSIGN\(09-12)

PATENT REEL: 035745 FRAME: 0841

Attorney Docket No.: 3449-2251PUS1 Application SN.: 14/725,469 filed on May 29, 2015

	iental Sheet for on and Assignment	ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1
LEGAĹ	NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name 🛸 Inventor:	Lee, Sang Youl	Date: 15. 3. 29
laventor's Signature * Signature	s. o Wigoz	
LEGAI.	NAME OF JOINT INVENTOR, IF ANY	
laventor's Name 👋 Inventor:	Park, Bum Doo	Date:
hvenorsSignature 🕈 Signature	2	
LEGAL	NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name + Inventor:	Kim, Chung Song	Date: 19.29
Inventor's Signature PSignature	· /m/o	
LEGAL	NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name Playentor:	Park, Sang Rock	Date: <u>15, 5, 36</u>
herentor's Signature - Signature	e	
LEGAL	NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name *Inventor:	Jeong, Byung Hak	Date: <u>15.5.29</u>
Inventor's Signature Signature	:	
LEGAL	NAME OF JOINT INVENTOR, IF ANY	
Invenior's Name * Inventor:	Lee, Tae Yong	Date: 17. 7. 28
Inventor's Signature - *Signature	eUause	
LEGAL	NAME OF JOINT INVENTOR, IF ANY	
inventor's Name *Inventor:		Date:
inventor's Signature - Signature	<u>N</u>	
LEGAL	NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name Playentor:	. <u></u>	Date:
loventor's Signature Signature	2	

BSER-DECASSIGNV(09:12)

PATENT REEL: 035745 FRAME: 0842

Doc code: Oath

Document Description: Oath or declaration filed

Dobument	description, dath of declaration filed	U.S. Pa		PTO/AIA/02 (07-13) igh 01/31/2014. OMB 0651-0032 DEPARTMENT OF COMMERCE
1 martine and the second secon	SSTITUTE STATEMENT IN OR DESIGN PATENT AP	LIEU OF AN OATH	OR DECLARATIO	V FOR UTILITY
Title of Invention	LIGHT-EMITTING DEVICI	3		
This stateme	ent is directed to:			
The att	ached application,			
OR				
United 8	States application or PCT international	application number	filed of	n
LEGAL NA	ME of inventor to whom this su	bstitute statement appl	ies:	
	Name (first and middle (if any)) and F	amily Name or Surname)		
Park, Bum 1				
Residence (except for a deceased or legally incap	scitated inventor):		
City Secul		State	Country KR	
	ss (except for a deceased or legally incape			
Seoul Squ	are, 416, Hangang-daero, Jung-	·gu,		
City Seoul		State	Zip 100-714	Country KR
in the ap	· 		or an original joint invent	or of a claimed invention
The above-li	dentified application was made or auth	lorized to be made by me.		
	mowledge that any wiliful false statem ment of not more than five (5) years, o		s punishable under 18 U.	S.C. 1001 by fine or
Relationshi	ip to the inventor to whom this substitu	te statement applies;		***************************************
Le	igal Representative (for deceased or k	egally incapacitated invento	rionly),	
As	ssignee,			
Pe	erson to whom the inventor is under an	obligation to assign,		
Pe	erson who otherwise shows a sufficien	t proprietary interest in the i	matter (petition under 37 0	CFR 1.46 is required), or
ot	int Inventor.			
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#### [Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burder, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commence, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

REEL: 035745 FRAME: 0843

	Under the Paneswork Deduction Act o	1005 on hereons are serviced to sost	U.S. Patent and Trademark Office	PTO/SB/AIA02 (07-13) e through 01/31/2014. OM8 0551-0032 : U.S. DEPARTMENT OF COMMERCE
Inventor is deceased,      Inventor is under legal incapacity,      Inventor is under legal incapacity,      Inventor has refused to execute the oath or declaration under 37 CFR 1.63.      If there are joint inventors, please check the appropriate box below:      An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been     or is currently submitted.      OR      An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute     Statement Supplemental Sheet (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute     Statement Supplemental Sheet (PTO/AIA/14 or equivalent) naming the entire inventive entity and providing inventor     information is attached. See 37 CFR 1.64(b)      Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may     contribute to identity thef. Personal information such as social security numbers, bank account numbers, or oredit cad number     forther than a check or credit card authorization from PTO-2038 submitted or payment purposes) is never required by the USPTO     to support a petition or an application. This type of personal information is included in documents submitted to the USPTO.     Petitioner/applicant should conside redacting such personal information may also be available to the public after publication of the     supplication requised by a DEPT     2038 submitted for payment purposes are not retained in the application file and therefore are not publicity available.     PERSON EXECUTING THIS SUBSTITUTE STATEMENT:     Name: Cheng Soc KIM     Date (Optional). 2014:05.29     Signature:     Applicant Name AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:     If the applicant is a juristic entity, list the application data sheet, PTO/AIA/14 or equivalent)     Cal Montek Co, Ltd     State     Country KR     Mailling Address of the signer (unless provided in an application da			~~~~~	in displays a valid Ones consol Humber.
Inventor is under legal incapacity, Inventor cannot be found or reached after diligent effort, or Inventor has refused to execute the cath or declaration under 37 CFR 1.63. If there are joint inventors, please check the appropriate box below. An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted. OR An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute statement Supplemental Sheet (PTO/AIA/11 or equivalent) has not been submitted. Thus, a Substitute statement Supplemental Sheet (PTO/AIA/11 or equivalent) has not been submitted. Thus, a Substitute statement Supplemental Sheet (PTO/AIA/11 or equivalent) has not been submitted. Thus, a Substitute statement Supplemental Sheet (PTO/AIA/11 or equivalent) has not been submitted. Thus, a Substitute statement Supplemental Sheet (PTO/AIA/11 or equivalent) has not been submitted. Thus, a Substitute statement Supplemental Sheet (PTO/AIA/11 or equivalent) has not been submitted. Thus, a Substitute statement Supplemental Sheet (PTO/AIA/11 or equivalent) has not been submitted. Thus, a Substitute Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) has not been submitted. Thus, a Substitute Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) has not been submitted to the many contribute to identify theft. Personal information in documents submitted to the many contribute to identify theft. Personal information is included in documents submitted to the USPTO. Petrioner/applicant is advised that the record of a patient application is available to the public disc publication or in abandoned application in available to the public disc publication forms submitted of authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicity available. PERSON EXECUTING THIS SUBSTITUTE STATEMENT: <	Circumstances permitting execution	of this substitute statement:		
Inventor cannot be found or reached after diligent effort, or      Inventor has refused to execute the oath or declaration under 37 CFR 1.63.  If there are joint inventors, please check the appropriate box below:      An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been     or is currently submitted.      OR      An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute     Submitted.      OR      An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute     Submitted.      OR      An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute     Submitted for control to to ito avoid submitting personal information in documents filed in a patient application that may     contribute to ito avoid submitting personal information in included in documents below automatics and numbers, or reddi card numbers, bank account numbers, or reddi card numbers, or reddi card numbers, bank account numbers, and account of the uSPTO     Petitioner/applicant is drived that the record of a patient application is available to the public after publication of the application of the application or an issued patient (see 37 CFR 1.14). Checks and credit card authorization forms     PTO-2038 submitted for payment purposes are not retained in the application is are publicly available.     PERSON EXECUTING THIS SUBSTITUTE STATEMENT:     If the applicant is a juristic entity, list the applicant name and the tite of the signer.     Applicant Name     Lo Innotek Co., Ltd     The application Statement;     State     Country KR     Maining Address of the signer fundes provided in an application data sheet, PTO/AIA/14 or equivalent);     City Secul     State     Country KR	Inventor is deceased,			
Inventor has refused to execute the cath or declaration under 37 CFR 1.63. If there are joint inventors, please check the appropriate box below. An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted. OR An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b). WARNING: Petitioner/applicant is cautioned to avoid submitting personal information in documents tiled in a patient application that may contribute to identify theft. Presonal information sind as social security numbers, bank account numbers, or credit card authorization from PTO-2038 submitted for payment purposes) is never required by the USPT petitioner/applicant is advised that the record of a petient application or an application or an issued patient application is available to the public after publication of the application from the documents before atterned from an bandword application may also be available to the public after publication forms PTO-2038 submitted for payment purposes are not retained in the application or an issued patient (see 37 CFR 1,14). Checks and credit card authorization from the application or an issued patient (see 37 CFR 1,14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application. If the application or an application or an issued patient (see 37 CFR 1,14). Checks and credit card authorization forms PTO-2038 submitted. The application forms PTO-2038 submitted. PERSON EXECUTING THIS SUBSTITUTE STATEMENT: If the applicant form an abandmond application of the application forms PTO-2038 submitted. Person Executing This application are an iteratined in the application. The supersonal information is a	Inventor is under legal inc	apacity,		
If there are joint inventors, please check the appropriate box below:           Image: An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted.           OR           Image: An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.54(b)           WARNING:           Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theff. Personal information such as social security numbers, bank account numbers, or credit card number; (or end authorization form PTO-2039 submitted for payment purposes) is never required by the USPT to support a petitioner/applicant is advised that the record of a patent application is included in documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent from the documents before submitting them to the USPTO. Petitioner/application or an application. If this type of personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application is advised that the record of a patent application is available to the public after publication is referenced in a published application is usual patent (uses 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.           FERSON EXECUTING THIS SUBSTITUTE STATEMENT:	Inventor cannot be found a	or reached after diligent effort	, or	
Image: Characterized and the second of t	Inventor has refused to ex	ecute the cath or declaration	under 37 CFB 1.63.	
or is currently submitted.         OR         An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.84(b).         WARNING:         Patilioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card number (other than a check or credit card authorization form PTO-2039 submitted for payment purposes) is never required by the USPTO, petitioner/applicant is should consider reducting such personal information is included in documents submitted to the USPTO, petitioner/applicant is advised that the record of a patent application is available to the public affer publication of a papent. Furthermore, the record from an bandnond application may also be available to the public affer publication for subance of a papent. Furthermore, the record from an bandnond application may also be available to the public affer publication forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publication forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicative.         APPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:         If the applicant is a juristic entity, list the application data sheet, PTO/AIA/14 or equivalent); Esignature:         Applicant Name.       Ginnotek Co., Ltd         Title of Person Executing This Substitute Statement: Serier manager This Substit	If there are joint inventors, please c	heck the appropriate box belo	ŚW:	
An application data sheet under 37 CFR 1,76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1,64(b). WARNING: Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers to support a petition or an application. If this type of personal information is included for payment purposes) is never required by the USPT to support a petitioner/applicant is advised that the record of a patent application is included in documents before submitted to the USPT to USPT to exitoner/applicant is advised that the record of a patent application is available to the public after publication of the application is available and the record of a patent application frequest in compliance with 37 CFR 1,213(a) is made in the application of submitted of prayment purposes are not retained in the application file and therefore are not publication or is sugned patent. Furthermore, the record from an abandoned application of sub as obe available to the public after publication forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. PERSON EXECUTING THIS SUBSTITUTE STATEMENT: Name: Chang Soo KIM Date (Coptional): 2014.05 29 Signature: Applicant Name. Git metals a provided in an application data sheet, PTO/AIA/14 or equivalent): Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent): Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent): City Seoul State Stat	An application data sheet or is currently submitted.	under 37 CFR 1.76 (PTO/AIA	/14 or equivalent) naming the er	ntire inventive entity has been
Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (of the than a check or credit card number) is application. If this type of personal information is included in documents submitted to the USPTO, petitioner/applicant is advised that the record of a patent application is available to the public after publi	An application data sheet Statement Supplemental S	Sheet (PTO/AIA/11 or equival	/14 or equivalent) has not been ent) naming the entire inventive	submitted. Thus, a Substitute entity and providing inventor
contribute to identify theft. Personal information such as social security numbers, bark account numbers, or credit card animbers or credit card animbers are check or credit card animotization form PTO-2038 submitted for payment purposes) is never required by the USPTO, petitioners/applicants should consider redacting such personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a)) is made in the application is available to the public after publication of the application is available to the public after publication forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. PERSON EXECUTING THIS SUBSTITUTE STATEMENT: Name: Cheng Soo KIM Date (Optional). 2014.05 29 Signature: APPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT: If the applicant is a juristic entity, list the applicant name and the title of the signer: Applicant Name. LG Innotek Co., Ltd Title of Person Executing This Substitue Statement: Senior manager The Substitue Statement: Senior manager The Substitue Statement: Senior manager City Secul State Country KR Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent): LG INNOTEK CO., LTD. Secul State Zip 100-714 Country KR Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached		WARNIN	IG:	
Name: Chang Soo KIM     Date (Optional): 2014.05.29       Signature:	contribute to identity theft. Personal i (other than a check or credit card aut to support a petition or an application petitioners/applicants should conside: USPTO. Petitioner/applicant is advis application (unless a non-publication patent. Furthermore, the record from referenced in a published application PTO-2038 submitted for payment pur	nformation such as social sec horization form PTO-2038 sub If this type of personal infon redacting such personal info ed that the record of a patent request in compliance with 37 an abandoned application m or an issued patent (see 37 C poses are not retained in the	curity numbers, bank account nu comitted for payment purposes) is mation is included in documents rmation from the documents bef application is available to the pu ² CFR 1.213(a) is made in the ap ay also be available to the public ZFR 1.14). Checks and credit ca	mbers, or credit card numbers a never required by the USPTO, submitted to the USPTO, fore submitting them to the ublic after publication of the oplication) or issuance of a c if the application is ard authorization forms
Signature:       APPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:         If the applicant is a juristic entity, list the applicant name and the title of the signer.         Applicant Name.       LG Innotek Co., Ltd         Title of Person Executing This Substitute Statement: Senior manager         The signer, whose title is supplied above, is authorized to act on behalf of the applicant.         Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent):         City Seoul       State         Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)         LG INNOTEK CO., LTD.         Seoul Square, 416, Hangang-daero, Jung-gu,         City Seoul       State         Zip 100-714       Country KR         Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached	PERSON EXECUTING THIS SUBST	TUTE STATEMENT:		****
APPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:         If the applicant is a juristic entity, list the applicant name and the title of the signer:         Applicant Name:         LG Innotek Co., Ltd         This Substitute Statement: Senior manager         The signer, whose title is supplied above, is authorized to act on behalf of the applicant.         Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent):         City Secul         Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)         LG INNOTEK CO., LTD.         Secul Square, 416, Hangang-daero, Jung-gu,         City Secul         State         City Secul         State         Country KR         Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)         LG INNOTEK CO., LTD.         State         Zip 100-714         Country KR         Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached	Name: Chang Soo KIM	****		Date (Optional): 2014.05.29
If the applicant is a juristic entity, list the applicant name and the title of the signer:          Applicant Name       LG Innotek Co., Ltd         Title of Person Executing This Substitute Statement: Senior manager       The signer, whose title is supplied above, is authorized to act on behalf of the applicant.         Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent):       Country KR         City Secul       State       Country KR         Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)       LG INNOTEK CO., LTD.         Secul Square, 416, Hangang-daero, Jung-gu,       State       Zip 100-714         City Secul       State       Zip 100-714         Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached	Signature:	-JAC		
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Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)         LG INNOTEK CO., LTD.       Seoul Square, 416, Hangang-daero, Jung-gu,         City Seoul       State       Zip 100-714         Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached	Applicant Name. LG Innotek Co., Ltd Title of Person Executing This Substitute Statement: Senior mai The signer, whose title is supplied at	nager ove, is authorized to act on b	ehalf of the applicant.	lent):
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after diligent effort, or has refused to execute the cath or declaration under 37 CFR 1.63		form for each inventor who is	deceased, legally incapacitated,	
[Page 2 of 2]	after diligent effort, or has refused to		***************************************	