506147951 07/10/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6194683

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAEHOON JEONG	06/02/2020

RECEIVING PARTY DATA

Name:	LG INNOTEK CO., LTD.
Street Address: 30, MAGOKJUNGANG 10-RO, GANGSEO-GU	
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07796

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16956672

CORRESPONDENCE DATA

Fax Number:

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.

Email: JL@slepatents.com

Correspondent Name: JEFF LLOYD Address Line 1: P.O. BOX 142950

Address Line 4: GAINESVILLE, FLORIDA 32614-2950

ATTORNEY DOCKET NUMBER:	SUN.LGI.787
NAME OF SUBMITTER:	JEFF LLOYD
SIGNATURE:	/JEFF LLOYD/
DATE SIGNED:	07/10/2020

Total Attachments: 9

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PATENT REEL: 053174 FRAME: 0863

COMBINED DECLARATION (37 C.F.R. § 1.63) AND ASSIGNMENT

As a below-named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

LENS CURVATURE VARIATION APPARATUS FOR VARYING LENS CURVA' USING SENSED TEMPERATURE INFORMATION	FURE
the specification for which	
is attached hereto. Was filed June 22, 2020 Serial No. 16/956,672	
The above-identified application was made or authorized to be made by me.	
I hereby state that I have reviewed and understand the contents of the above-ide specification, including the claims, as amended by any amendment referred to above.	ntified
I acknowledge the duty to disclose information which is material to patentability of application in accordance with Title 37, Code of Federal Regulations, § 1.56.	of this
I hereby acknowledge that any willful false statement made in this declaration is puni	shable

ASSIGNMENT

under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified above.

WHEREAS,

Insert Title:

Insert Assignee(s)	LG INNOTEK CO., LTD.,
Name/Address:	30, Magokjungang 10-ro, Gangseo-gu, Seoul, 07796, Republic of Korea

(hereinafter ASSIGNEE), is desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

Page 1 of 3

NOW, THEREFORE, in view of valuable consideration, receipt of which is hereby acknowledged, I/we, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said ASSIGNEE, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

I/we hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to ASSIGNEE, as the assignee of the entire right, title, and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns.

FURTHER, I/we agree that we will communicate to said ASSIGNEE, or its representatives, any facts known to me respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE; make all rightful oaths; and generally do everything possible to aid the said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

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

Legal Name of inventor	SONG, Seungheun	Date:
Inventor's Signature		

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

SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

ADDITIONAL INVENTOR(S)
Supplemental Sheet Page 1 of 1

LEGAL NAME	OF JOINT INVENTOR, IF ANY:		
Legal Name of inventor	JEONG, Jachoon	Date:	2020.6.2
Inventor's Signature	Det -		
LEGAL NAME	OF JOINT INVENTOR, IF ANY:		
Logal Name of inventor	YOUN, Yelim	Date:	
Inventor's Signature			
LEGAL NAME	OF JOINT INVENTOR, IF ANY:		
Legal Name of inventor	LEE, Jongyeon	Date:	
Inventor's Signature			
LEGAL NAME	OF JOINT INVENTOR, IF ANY:		
Legal Name of inventor		Date:	
Inventor's Signature			
LEGAL NAME	OF JOINT INVENTOR, IF ANY:		
Legal Name of inventor		Date:	
Inventor's Signature			

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Document Description: Oath or declaration filed

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SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

Title of Invention	LENS CURVATURE VARIATION API TEMPERATURE INFORMATION	PARATUS FOR VARYING	LENS CURVATURE USING	SENSED
,	ent is directed to: sched application,			
OR XVnited	States application or PCT international	application number16	5/956,672	June 22, 2020
LEGAL NA	ME of inventor to whom this sub	ostitute statement appl	les:	***************************************
(E.g., Given	Name (first and middle (if any)) and Fi	amily Name or Surname)		
SONG, Se	ungheun			
Residence (except for a deceased or legally incapa	acitated inventor):		
City Secul		~ (.).	Country KR	
	ss (except for a deceased or legally incapa		Country KK	
ŧ .	ngjae daero, Sapoho-gu			
City Secul		State	Zip 06772	Country KR
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.				
The above-i	dentified application was made or auth	orized to be made by me.		
I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.				
Relationship to the inventor to whom this substitute statement applies:				
Legal Representative (for deceased or legally incapacitated inventor only),				
✓ Assignee,				
Person to whom the inventor is under an obligation to assign,				
Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or				
	Joint Inventor.			

[Page 1 of 2]

This obligation 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 his form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademer's Office, U.S. Department of Commerce, 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.

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SUBSTITUTE STATEMENT Circumstances permitting execution of this substitute statement: Inventor is deceased, Inventor is under legal incapacity, 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 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 identify theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such 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 (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 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. PERSON EXECUTING THIS SUBSTITUTE STATEMENT: 2020/*6/1*9 Date (Optional): Name: 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: Assistant 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 Country KR Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent) LG INNOTEK CO., LTD. 30, Magokjungang 10-ro, Gangseo-gu, Seoul, 07796, Republic of Korea

[Page 2 of 2]

after diligent effort, or has refused to execute the cath or declaration under 37 CFR 1.63.

Note: Use an additional PTC/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached

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Document Description: Oath or declaration filed

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SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

Title of Invention	LENS CURVATURE VARIATION API TEMPERATURE INFORMATION	PARATUS FOR VARYING	LENS CURVATURE USING	S SENSED
This statement is directed to: The attached application, OR Variety States application or PCT international application number 16/956,672 filed on June 22, 2020 LEGAL NAME of inventor to whom this substitute statement applies: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) YOUN, Yellim Residence (except for a deceased or legally incapacitated inventor): City Seoul State Country KR				
·	gjae daero, Seccho-gu			·
City Secul	:	Slate	Zip 98772	Country KR
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application. The above-identified application was made or authorized to be made by me. I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.				
Relationship to the inventor to whom this substitute statement applies: Legal Representative (for deceased or legally incapacitated inventor only), Assignee, Person to whom the inventor is under an obligation to assign, Person who otherwise shows a sufficient proprietary interest in the matter (patition under 37 CFR 1.46 is required), or Joint Inventor.				

[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 mixture to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will very depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, 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.

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SUBSTITUTE STATEMENT Circumstances permitting execution of this substitute statement: Inventor is deceased, Inventor is under legal incapacity. Inventor cannot be found or reached after diligent effort, or Inventor has refused to execute the path 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 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 (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such 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 (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 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. PERSON EXECUTING THIS SUBSTITUTE STATEMENT: 2020.6.19 Date (Optional): Name: 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: Assistant 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 iCountry KR Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent) LG INNOTEK CO., LTD. 30, Magokjungang 10-ro, Gangseo-gu, Seoul, 07796, Republic of Korea Zip 07796 Country KR City Secul

[Page 2 of 2]

after diligent effort, or has refused to execute the cath or declaration under 37 CFR 1.63.

Note: Use an additional PTO/AIA/02 form for each inventor who is decessed, legally incapacitated, cannot be found or reached

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SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

Title of Invention	LENS CURVATURE VARIATION API TEMPERATURE INFORMATION	PARATUS FOR VARYING	S LENS CURVATURE USI	NG SENSED
This statement is directed to: The attached application, OR William States application or PCT international application number 16/956,672 filed on June 22, 2020. LEGAL NAME of Inventor to whom this substitute statement applies: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) LEE, Jongyeon Residence (except for a deceased or legally incapacitated inventor): City Seoul Mailing Address (except for a deceased or legally incapacitated inventor):				
19, 11gil, Yar	iglee daero, Seoche-gu	<u></u>		
State Zip 96772 Country KR believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application. The above-identified application was made or authorized to be made by me. I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.				
Relationship to the inventor to whom this substitute statement applies: Legal Representative (for deceased or legally incapacitated inventor only), Assignee, Person to whom the inventor is under an obligation to assign, Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or Joint Inventor.				

[Page 1 of 2]

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SUBSTITUTE STATEMENT execution of this substitute statement

Circumstances permitting execution of this substitute statement:			
Inventor is deceased,			
Inventor is under legal incapacity,			
✓ 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.			
<u>OR</u>			
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:			
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ERSON EXECUTING THIS SUBSTITUTE STATEMENT:			
iame: KM MYUAG			こいの、6、/7 Date (Optional):
ignature: Z			
PPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:			
the applicant is a juristic entity, list the applicant name and the title of the signer:			
pplicant Name: 15 """ tel Co., 1111 Itle of Person Executing			
This Substitute Statement: Assistant manager			
The signer, whose title is supplied above, is authorized to act on behalf of the applicant testioner (unless provided in an application data sheet, PTO/AIA/14 or equivalent):			
		<u> </u>	
Sily Secul	State	Country KR	
Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)			
G INNOTER CO., LTD. 30, Magokjungang 10-ro, Gangseo-gu, Seoul, 07796, Republic of Korea			
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Note: Use an additional PTO/AIA/02 form for eac			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

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