PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6030332

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUNG SUN YOU	02/18/2020
DONG HO KO	02/18/2020
HYO JIN LEE	02/18/2020
IN JU MUN	02/18/2020
NAM GYU KIM	02/18/2020
HYUN JUN LEE	02/18/2020

RECEIVING PARTY DATA

Name:	LG CHEM, LTD.	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16650265

CORRESPONDENCE DATA

Fax Number: (908)654-7866

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.

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LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	LGCHEM 3.3F-2620
NAME OF SUBMITTER:	CINDY CORB
SIGNATURE:	/Cindy Corb/
DATE SIGNED:	03/25/2020

PATENT REEL: 052221 FRAME: 0048

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Total Attachments: 2

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PATENT REEL: 052221 FRAME: 0049

	ON AND ASSIGNMENT FOR DESIGN APPLICATIONS	Attorney Docket Number:		
Title of Invention	METHOD FOR MANUFACTURING OPTICAL DEVICE			
		nated as the undersigned), I/We hereby declare that:		
This declara is directed to): 			
<u> </u>	The attached application, or X United States application or PCT in	ternational application number PCT/KR2018/011304		
	filed on September 21, 2018	-		
The above-identifie	ed application was made or authorized t	o be made by me/us.		
I/We believe that I	am the original inventor or an original jo	oint inventor of a claimed invention in the application.		
	wledge that any willful false statement i ment of not more than five (5) years, or	made in this declaration is punishable under 18 U.S.C. 1001 both.		
WHEREAS, the undersigned as a sole inventor (if only one name is listed below) or as a joint inventor (if plural names are listed below) has invented certain new and useful improvements in the application identified above.				
AND, WHEREAS 128, Yeoui-daero; and interest in the	Yeongdeungpo-gu; Seoul; REPUBLIC	as assignee), a corporation of Korea whose mailing address is OF KOREA 07336 is desirous of acquiring the entire right, title		
NOW, THEREFORE, in consideration of the sum of one dollar, the receipt wherof is acknowledged, and other good and valuable consideration, the undersigned hereby sell(s), assign(s) and set(s) over to said assignee my/our entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me/us and my/our legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the e				
FULL NAME	OF INVENTOR(S)			
Inventor one		Date: Feb. 18. 2020.		
Signature:	ANT).			
x Addition	nal inventors or a legal representative are b	eing named on1 additional form(s) attached hereto,		
PLEASE S	EE THE WARNINGS ON THE LAST PAGI	E OF THIS FORM.		

PATENT CLG Chem REEL: 052221 FRAME: 0050

SUPPLEMENTAL SHEET

DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATIONS	ADDITIONAL INVENTOR(S) Supplemental Sheet	
Inventor two: KO, Dong Ho Signature: 上また	Date: <u>7</u> 020, 07, 18	
Inventor three: LEE, Hyo Jin Signature: 0 W	Date: Feb 18 2020	
Inventor four: MUN, In Ju Signature:	Date: Feb. 18, 2020	
Inventor five: KIM, Nam Gyu Signature:		
Inventor six: LEE, Hyun Jun Signature: 01 も 3	Date: 02-18. 2020	
Inventor seven: Signature:	Date:	
Inventor eight: Signature:	Date:	
Inventor nine: Signature:		
Inventor ten: Signature:	Date;	
WARNING: According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including the claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1,56." Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity their. 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. Petitioners/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 is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.		

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RECORDED: 03/25/2020

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