506991837 11/23/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7038676

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BYEONG YUN LIM	10/29/2021
JAESOON BAE	11/01/2021
JAECHOL LEE	10/29/2021
YEBYEOL KIM	10/29/2021
BEOMGOO KANG	10/29/2021

RECEIVING PARTY DATA

Name:	LG CHEM, LTD.
Street Address:	128, YEOUI-DAERO
Internal Address:	YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17613300

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.

Phone: (908) 654-5000

Email: assignment@lernerdavid.com

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

Address Line 1: 20 COMMERCE DR.

Address Line 4: CRANFORD, NEW JERSEY 07016

ATTORNEY DOCKET NUMBER:	LGCHEM 3.3F-3427	
NAME OF SUBMITTER: MELINDA C. CORMIER		
SIGNATURE:	/Melinda C. Cormier/	
DATE SIGNED: 11/23/2021		

Total Attachments: 4

PATENT REEL: 058190 FRAME: 0987

506991837

source=P2019-0672PCUS_Declaration and Assignment#page1.tif source=P2019-0672PCUS_Declaration and Assignment#page2.tif source=P2019-0672PCUS_Declaration and Assignment#page3.tif source=P2019-0672PCUS_Declaration and Assignment#page4.tif

> PATENT REEL: 058190 FRAME: 0988

As the below named inventor(s) (hereinatiler designated as the undersigned), I/We hereby declare that: This declaration is directed to: The attached application, ar (X) United States application or PCT international application number PCT/KR2020/007582 filed on June 11, 2020 The above-identified application was made or authorized to be made by mefus. I/We hereby acknowledge that any wilful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisorment of not more than five (5) years, or 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 suplication identified above. AND, WHEREAS, I.G. Chem, Ltf., (hereinafter referred to as assignee), a corporation of Korea whose mailing address is 128, Yeoul-daeror, Yeonogdeimppo-gu; Seoul; REPUBLIC OF KOREA 07336 is desirous of acquiring the entire right, title and interest in the same. NOW, THEREFORE, in consideration of the sum of one dictar, 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 mylour entire right, title and interest in the sum. NOW, THEREFORE, in consideration of the sum of one dictar, 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 mylour entire right, title and interest for the United States of America and indeed countries in and to said invention and the aforesaid utility parent application and all original, divisional, continuation, substitute or reissue applications purpose to respect to the countries of the substitute of respect to the countries of the substitute of respect to the substitute of respective purpose and patents applied for or granted to the countries of the substitute of respective purpose and the aforesaid utility application purpose of its s		ON AND ASSIGNMENT FOR TOESIGN APPLICATIONS	Attorney Docket Number: P2019-0672PCUS
This declaration is directed to: The attached spplication or PCT international application number PCT/KR2020/007582 filed on June 11, 2020 The above-identified application was made or authorized to be made by merus. We believe that I am the original inventor or an original joint inventor of a claimed invention in the application. Whe hereby acknowledge that any wilful 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. 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 LG Chem, Ltd., (hereinatter referred to as assignee), a corporation of Korea whose mailing address is 128. Yeoundaero; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 07336 is desirous of acquiring the eatire right, title and interest in the same. NOW, THEREFORE in consideration of the sum of one deliar, the receipt where is acknowledged, and other good and valuable consideration, the undersigned hereby selfs), assign(s) and sel(s) over to said assignee involve entire right, title and interest in the same. NOW, THEREFORE in consideration of the sum of one deliar, the receipt where is acknowledged, and other good and valuable consideration, the undersigned hereby selfs), assign(s) and sel(s) over to said assignment of the forestial utility parent and interest for the United States of America and all other countries in and is add invention and the efforestial utility parent applications 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 parsisant to any law or tracein and all other countries, for said original, divisional, continuation, reserved and an equipmental interest to a said application parsisant to any law or tracein, and	Title of Invention		N COMPRISING SAME, AND ORGANIC LIGHT EMITTING
The attached application, or The attached application or PCT international application number PCT/RR2020/007582		* * * * * * * * * * * * * * * * * * * *	nated as the undersigned), I/We hereby declare that:
The above-identified application was made or authorized to be made by me/us. I/We believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I/We hereby acknowledge 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. I/We hereby acknowledge 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. I/WEREAS, 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 LG Chem, Ltd., (hereinafter referred to as assignee), a corporation of Korea whose mailing address is 128, Yeoui-daero; Yeongdeungpo-gu; Seoui; REPUBLIC OF KOREA 07336 is desirous of acquiring the entire right, title and interest in the same. 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 sel(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, including without limitation all applications and all original civilisional, continuation, substitute or reissue applications and patents application and patents applications for said invention claiming protry to benefit of the aforesaid utility application on 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 representative, and requested to its suce all patents applications to said assignee or its assi			
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128. Yeoui-daero; Yeongdeungpo-gu; Seoui; REPUBLIC OF KOREA 07336 is destrous of acquiring the entire right, title and interest in the same. NOW, THEREFORE, in consideration of the sum of one dollar, the receipt wherof is acknowledged, and other good and valuable consideration, the undersigned hereby self(s), assign(s) and self(s) over to said assignee mylour 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 application all applications and patents 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 melus and mylour 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 caths, and to degenerably everything necessary to ald assignee. Its successors, a			
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According to 37 C.F.R. § 1.63(c), "[a] person may not execute an eath 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 the person to be material to patentability as defined in §1.56." FULL NAME OF INVENTOR(S) Inventor one: LIM, Byeong Yun Date: 2001, 70.59 Signature: 2004, Yun	valuable considera and interest for the application and all therefor in the Unit and patents for sa including all claims and the use of its of the Commissioner or resulting therefor my/our legal repredeliver all original, assignments there to the undersigned proceedings in who aths, and to do grotection for said	ation, the undersigned hereby sell(s), a United States of America and all other original, divisional, continuation, substated States of America and all other could invention claiming priority or benefit is for damages by reason of past infring successors, assigns and legal represer of Patents and Trademarks is hereby of Patents and Trademarks is hereby sentatives, heirs and assigns do hereby divisional, continuation, reissue and of to said assignee or its assigns, to of to said assignee or its assigns, to of the test	ssign(s) and set(s) over to said assignee my/our entire right, title in countries in and to said invention and the aforesaid utility patent little or reissue applications and patents applied for or granted intries, for said invention, including without limitation all applications of the aforesaid utility application pursuant to any law or treaty, and ement with the right to sue for and collect the same for its own use intatives, and including the right to claim such priority or benefit and authorized and requested to issue all patents on said improvements are of the entire interest therein; and the undersigned for me/us and y agree and covenant without further remuneration, to execute and their applications for Letters Patent on said improvements and all originates to said assignee or its representatives all facts known over requested, to testify in any interferences or other legal may become involved, to sign all lawful papers, make all rightful issignee, its successors, assigns and nominees to obtain patent
contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in §1.56.* FULL NAME OF INVENTOR(S) Inventor one: LIM, Byeong Yun Date: 2001. /0.29 Signature: 4744, Byeong Yun			
Inventor one: LIM, Byeong Yun Date: 201, 16.29 Signature: 474, Brendy Yun	contents of the applic	cation, including the claims, and is aware of	
Signature: Linu, Brends Yun	FULL NAME	OF INVENTOR(S)	
Signature: Linu, Brends Yun	Inventor one	E LIM, Byeong Yun	Date: 2001, 10.29
(·····)	Signature	_	
	Accepted to the second	menterman of a refiller calmagadidita are ni	with the transfer of the trans

DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATIONS	ADDITIONAL INVENTOR(S) Supplemental Sheet
Inventor two: BAE, Jaesoon	Date: 202/ /), o/
Signature: Bot / Jakseen	
Inventor three: LEE, Jaechol Signature: LEE, Taeck	Date: 2024, 70, 29
Signature: anti-you below to	
Inventor four: KIM, Yebyeol	Date: 2021, 70,29
Signature: <u>KJK , Yeliyeol</u>	
Inventor five: KANG, Beamgao	Date:
Signature:	
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 the person to be material to patentability as defined in §1.56."

Petitioner/applicant is cautioned to avoid submitting personal information in documents filled 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, petitioner/applicants about 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.

	ON AND ASSIGNMENT FOR R DESIGN APPLICATIONS	Attorney Docket Number: P2019-0672PCUS
itle of Invention	of Invention POLYMER, COATING COMPOSITION COMPRISING SAME, AND ORGANIC LIGHT EMITTING DEVICE USING SAME	
As the belo This declar is directed	ation	gnated as the undersigned), I/We hereby declare that:
	The attached application, or	나라 하나 사람들은 아이들은 사람들은 사람들은 사람들은 사람들이 되었다.
	X United States application or PCT is	nternational application numberPCT/KR2020/007582
	filed on June 11, 2020	마스트로 제한 10년 시간 전환 10년 시간 10년 시간 10년 시간
The above-identif	ed application was made or authorized	to be made by me/us.
		oint inventor of a claimed invention in the application.
I/We hereby ackn		made in this declaration is punishable under 18 U.S.C. 1001
		one name is listed below) or as a joint inventor (if plural names are vernents in the application identified above.
	; Yeongdeungpo-gu; Seoul; REPUBLI	o as assignee), a corporation of Korea whose mailing address is C OF KOREA 07336 is desirous of acquiring the entire right, title and
valuable consider and interest for the application and a therefor in the Un and patents for sincluding all claim and the use of its the Commissioner or resulting there my/our legal reprodeliver all original assignments there to the undersigned proceedings in who oaths, and to do got the process of the undersigned proceedings in who oaths, and to do got the undersigned process of the undersigned p	ation, the undersigned hereby sell(s), e United States of America and all oth I original, divisional, continuation, subsited States of America and all other coald invention claiming priority or benefits for damages by reason of past infring successors, assigns and legal represent of Patents and Trademarks is hereby from to said assignee herein, as assigneen to said assignee herein, as assigneed to said assignee or its assigns, to do for especting said improvements, where inch any of said applications or patents generally everything necessary to aid assignerable or to said assigneed to the said applications or patents generally everything necessary to aid assignerable.	e dollar, the receipt wherof is acknowledged, and other good and assign(s) and set(s) over to said assignee my/our entire right, title er countries in and to said invention and the aforesaid utility patent stitute or reissue applications and patents applied for or granted nurtries, for said invention, including without limitation all applications to fithe aforesaid utility application pursuant to any law or treaty, and gement with the right to sue for and collect the same for its own use entatives, and including the right to claim such priority or benefit and authorized and requested to issue all patents on said improvements nee of the entire interest therein; and the undersigned for me/us and by agree and covenant without further remuneration, to execute and other applications for Letters Patent on said improvements and all communicate to said assignee or its representatives all facts known never requested, to testify in any interferences or other legal as may become involved, to sign all lawful papers, make all rightful assignee, its successors, assigns and nominees to obtain patent penses incident to said applications to be borne and paid by said
According to 27 or f		WARNING:
contents of the app	r.K. § 1.63(s), "jaj person may not execute ication, including the claims, and is aware illity as defined in §1.56."	an cath or declaration unless the person has reviewed and understands the of the duty to disclose to the Office all information known to the person to be
FULL NAM	E OF INVENTOR(S)	
Inventor or	e: LIM, Byeong Yun	Date:
Signature:		

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SUPPLEMENTAL SHEET

DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATIONS	ADDITIONAL INVENTOR(S) Supplemental Sheet
Inventor two: BAE, Jaescon Signature:	Date:
Inventor three: LEE, Jaechol Signature:	Date:
Inventor four: KIM, Yebyeol Signature:	Date:
Inventor five: KANG, Beomgoo Signature:	Date: <u>고아기 , 10 , 고</u> 역
WARNING:	

According to 37 C.F.R. § 1.63(c), "[a] person may not execute an eath 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 the person to be material to patentability as defined in §1.56."

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