

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>MIN WOO JUNG</td><td>11/28/2019</td></tr><tr><td>WANPYO HONG</td><td>11/28/2019</td></tr><tr><td>DONG HOON LEE</td><td>11/28/2019</td></tr><tr><td>BOONJAE JANG</td><td>11/28/2019</td></tr><tr><td>JUNGHA LEE</td><td>11/28/2019</td></tr><tr><td>SU JIN HAN</td><td>11/28/2019</td></tr><tr><td>SEULCHAN PARK</td><td>11/28/2019</td></tr></tbody></table>	Name	Execution Date	MIN WOO JUNG	11/28/2019	WANPYO HONG	11/28/2019	DONG HOON LEE	11/28/2019	BOONJAE JANG	11/28/2019	JUNGHA LEE	11/28/2019	SU JIN HAN	11/28/2019	SEULCHAN PARK	11/28/2019	
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RECEIVING PARTY DATA																	
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Postal Code:	07336																
PROPERTY NUMBERS Total: 1																	
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>16763303</td></tr></tbody></table>	Property Type	Number	Application Number:	16763303													
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CORRESPONDENCE DATA																	
Fax Number:	(619)595-8135																
<i>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.</i>																	
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NAME OF SUBMITTER:	FRANK J. MISKIEL																
SIGNATURE:	/Frank J. Miskiel/																

PATENT

DATE SIGNED:	05/12/2020
Total Attachments: 2 source=3041-Declaration-Assignment#page1.tif source=3041-Declaration-Assignment#page2.tif	

DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION		Attorney Docket Number: P2017-4855PCUS
Title of Invention:	HETEROCYCLIC COMPOUND AND ORGANIC LIGHT-EMITTING DEVICE COMPRISING SAME	

As the below-named inventor(s) (hereinafter designated as the undersigned), I/We hereby declare that:

This declaration is directed to:

☐ The attached application, or

☒ United States application or PCT international application number PCT/KR2019/003667,
filed on March 28, 2019.

The above-identified application was made or authorized to be made by me/us.

I/We believe that I am/We are 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.

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., ("assignee"), a corporation of Korea whose mailing address is 128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336, Republic of Korea, is desirous of acquiring the entire right, title, and interest in the same.

Now, in consideration of the sum of five dollars, and for other good and valuable consideration, the receipt whereof is hereby acknowledged, I/We, by these presents hereby agree to sell, assign, and transfer unto assignee, and assignee's heirs, successors, and assigns, the full and exclusive right to 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 provisional, non-provisional, divisional, continuation, continuation-in-part, substitute, and reissue applications, and all Letters Patent, extensions, reissues, and reexamination certificates which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries.

I/We hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to assignee as the assignee of my/our entire right, title, and interest in and to the same, for the sole use and behalf of assignee, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me/us had this Assignment and sale not been made.

Further, I/We agree that I/We will communicate to said assignee or its (his) representatives any facts known to me/us respecting said invention, and perform all affirmative acts which may be necessary in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to assignee, make all rightful oaths, and, generally do everything possible to aid assignee, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Dentons US LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

1. Date: 2019.11.28 Jung Min Woo
Name JUNG, Min Woo (Signature of Inventor)
2. Date: 2019.11.28 Hong, Wanpyo
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3. Date: 2019.11.28 Dong Hoon Lee
Name LEE, Dong Hoon (Signature of Inventor)
4. Date: 2019.11.28 Jang Boonjae
Name JANG, Boonjae (Signature of Inventor)
5. Date: 2019.11.28 LEE, Jungha
Name LEE, Jungha (Signature of Inventor)
6. Date: 2019.11.28 HAN, Su Jin
Name HAN, Su Jin (Signature of Inventor)
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