

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4492070

|                                                                                                                                                                                                 |                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                                                |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                                                    |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                                               |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                                         |
| HYUNG SEOK LEE                                                                                                                                                                                  | 06/26/2017                                                    |
| KWANG JE WOO                                                                                                                                                                                    | 06/26/2017                                                    |
| JANG DAE YOUN                                                                                                                                                                                   | 06/26/2017                                                    |
| JANG HYUK KWON                                                                                                                                                                                  | 06/26/2017                                                    |
| YOUNG HOON SON                                                                                                                                                                                  | 06/26/2017                                                    |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                                               |
| <b>Name:</b>                                                                                                                                                                                    | CORNING PRECISION MATERIALS CO., LTD.                         |
| <b>Street Address:</b>                                                                                                                                                                          | 30, MANJEONDANG-GIL                                           |
| <b>Internal Address:</b>                                                                                                                                                                        | TANGJEONG-MYEON, ASAN-SI                                      |
| <b>City:</b>                                                                                                                                                                                    | CHUNGCHONGNAM-DO                                              |
| <b>State/Country:</b>                                                                                                                                                                           | KOREA, REPUBLIC OF                                            |
| <b>Postal Code:</b>                                                                                                                                                                             | 336-841                                                       |
| <b>Name:</b>                                                                                                                                                                                    | UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY |
| <b>Street Address:</b>                                                                                                                                                                          | 1732, DEOGYEONG-DAERO, GIHEUNG-GU                             |
| <b>Internal Address:</b>                                                                                                                                                                        | YONGIN-SI                                                     |
| <b>City:</b>                                                                                                                                                                                    | GYEONGGI-DO                                                   |
| <b>State/Country:</b>                                                                                                                                                                           | KOREA, REPUBLIC OF                                            |
| <b>Postal Code:</b>                                                                                                                                                                             | 446-701                                                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                                               |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                                                 |
| <b>Application Number:</b>                                                                                                                                                                      | 15541654                                                      |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                                               |
| <b>Fax Number:</b>                                                                                                                                                                              | (908)654-7866                                                 |
| <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> |                                                               |
| <b>Phone:</b>                                                                                                                                                                                   | (908) 518-6343                                                |
| <b>Email:</b>                                                                                                                                                                                   | assignment@lernerdavid.com                                    |
| <b>Correspondent Name:</b>                                                                                                                                                                      | LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP            |
| <b>Address Line 1:</b>                                                                                                                                                                          | 600 SOUTH AVENUE WEST                                         |

PATENT

|                                                                                                                                                                                                                                                                                                                       |                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>Address Line 4:</b> WESTFIELD, NEW JERSEY 07090                                                                                                                                                                                                                                                                    |                      |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                                                                                                                                        | CPMC 3.3F-098        |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                                                                                                                                             | MELINDA C. CORMIER   |
| <b>SIGNATURE:</b>                                                                                                                                                                                                                                                                                                     | /Melinda C. Cormier/ |
| <b>DATE SIGNED:</b>                                                                                                                                                                                                                                                                                                   | 07/06/2017           |
| <b>Total Attachments: 6</b><br>source=CPMC 3.3F-098 - Assignment#page1.tif<br>source=CPMC 3.3F-098 - Assignment#page2.tif<br>source=CPMC 3.3F-098 - Assignment#page3.tif<br>source=CPMC 3.3F-098 - Assignment#page4.tif<br>source=CPMC 3.3F-098 - Assignment#page5.tif<br>source=CPMC 3.3F-098 - Assignment#page6.tif |                      |

Attorney Docket No. ....

Attorney Docket No. ....

COMBINED DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

I believe I am the original or an original joint inventor of a claimed invention in the application for which a patent is sought on the invention entitled:

TANDEM ORGANIC LIGHT-EMITTING ELEMENT,

which application is:

☐ attached, or

☒ United States application number or PCT international application  
number 15/541,654 filed on 7/5/17.

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

In the event that the filing date and/or application number are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request the registered practitioners of Lerner David Littenberg Krumholz & Mentlik LLP, associated with the Customer Number 00530, to insert above the filing date and/or application number of the application.

I 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.

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby assign to

CORNING PRECISION MATERIALS CO., LTD.

having an address at 30, Manjeondang-gil, Tangeong-myeon, Asan-si, Chungcheongnam-do 336-841, Republic of Korea; and

UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY

having an address at 1732, Deogyong-daero, Gibeung-gu, Yongin-si Gyeonggi-do 446-701, Republic of Korea

Corning Restricted - Controlled content (R2)

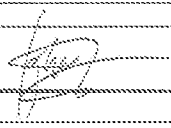
Page 1 of 3

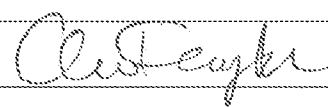
(hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in this document.

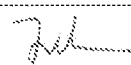
I hereby confirm any prior assignment to Assignee, and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by the undersigned had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

I hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

I hereby covenant that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment.

|                                                                                   |               |
|-----------------------------------------------------------------------------------|---------------|
| Legal name of first inventor                                                      |               |
| LEE, Hyung Seok                                                                   |               |
| First inventor's signature                                                        | Date          |
|  | June 26, 2017 |

|                                                                                   |               |
|-----------------------------------------------------------------------------------|---------------|
| Legal name of second inventor, if any                                             |               |
| WOO, Kwang Je                                                                     |               |
| Second inventor's signature                                                       | Date          |
|  | June 26, 2017 |

|                                                                                   |               |
|-----------------------------------------------------------------------------------|---------------|
| Legal name of third inventor, if any                                              |               |
| YOUN, Jang Dae                                                                    |               |
| Third inventor's signature                                                        | Date          |
|  | June 26, 2017 |

|                                       |               |
|---------------------------------------|---------------|
| Legal name of fourth inventor, if any |               |
| KWON, Jang Hyuk                       |               |
| Fourth inventor's signature           | Date          |
|                                       | June 26, 2017 |

|                                      |               |
|--------------------------------------|---------------|
| Legal name of fifth inventor, if any |               |
| SON, Young Hoon                      |               |
| Fifth inventor's signature           | Date          |
|                                      | June 26, 2017 |

Attorney Docket No. \_\_\_\_\_

Attorney Docket No. \_\_\_\_\_

COMBINED DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

I believe I am the original or an original joint inventor of a claimed invention in the application for which a patent is sought on the invention entitled:

TANDEM ORGANIC LIGHT-EMITTING ELEMENT.

which application is:

☐ attached, or

☒ United States application number or PCT international application  
number 15/541,654 filed on 7/5/17.

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

In the event that the filing date and/or application number are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request the registered practitioners of Lerner David Litzenberg Krumholz & Mentlik LLP, associated with the Customer Number 00530, to insert above the filing date and/or application number of the application.

I 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.

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby assign to

CORNING PRECISION MATERIALS CO., LTD.  
having an address at 30, Manjeondang-gil, Tangeong-myeon, Asan-si, Chungcheongnam-do  
336-841, Republic of Korea; and

UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY  
having an address at 1732, Dongyeong-daero, Giheung-gu, Yongin-si Gyeonggi-do 446-701,  
Republic of Korea

Corning Restricted - Controlled content (R2)

Page 1 of 3

**PATENT**  
**REEL: 042924 FRAME: 0989**

(hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in this document.

I hereby confirm any prior assignment to Assignee, and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by the undersigned had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

I hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

I hereby covenant that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment.

|                                      |               |
|--------------------------------------|---------------|
| Legal name of third inventor, if any |               |
| LEE, Hyung Seok                      |               |
| Third inventor's signature           | Date          |
|                                      | June 26, 2017 |

|                                       |               |
|---------------------------------------|---------------|
| Legal name of second inventor, if any |               |
| WOO, Kwang Je                         |               |
| Second inventor's signature           | Date          |
|                                       | June 26, 2017 |

|                              |               |
|------------------------------|---------------|
| Legal name of first inventor |               |
| YOUN, Jang Dae               |               |
| First inventor's signature   | Date          |
|                              | June 26, 2017 |

|                                       |               |
|---------------------------------------|---------------|
| Legal name of fourth inventor, if any |               |
| KWON, Jang Hyuk                       |               |
| Fourth inventor's signature           | Date          |
| <i>Jang Hyuk Kwon</i>                 | June 26, 2017 |

|                                      |               |
|--------------------------------------|---------------|
| Legal name of fifth inventor, if any |               |
| SON, Young Hoon                      |               |
| Fifth inventor's signature           | Date          |
| <i>YH Son</i>                        | June 26, 2017 |