## 505382445 03/19/2019

# PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE:  |   | NEW ASSIC   |  |                    |       |  |
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| NATURE OF CONVEYANCE:   |   |   | ASSIGNMENT   |                    |       |  |
| NATURE OF CONVETANCE:   |   | ASSIGNME  | ASSIGNMENT   |                    |       |  |
| CONVEYING PARTY DA  | ΑΤΑ   |   |  |                    |       |  |
|   | Name  |   |  | Execution Date     |       |  |
| CHUNG-PING LAI  |   |   |  |                    |       |  |
| KUO-HSIN CHANG  |   |   |  |                    |       |  |
| RECEIVING PARTY DA  | TA  |   |  |                    |       |  |
| Name: BGT MATERIALS LIMITED   |   |   |  |                    |       |  |
| Street Address:   | 2,312 PHOTON SCIENCE INSTITUTE UNIVERSITY OF MANCHESTER,<br>OXFORD ROAD |   |  |                    |       |  |
| City:   | MANCH   | IESTER  |  |                    |       |  |
| State/Country:  | UNITE   | ) KINGDOM   |  |                    |       |  |
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|   | ATA<br>e sent to  | 16053801<br>801)516-4934<br><b>the e-mail addre</b>   | ess first; if that is u  |                    |       |  |
| Application Number:<br>CORRESPONDENCE D<br>Fax Number:<br><i>Correspondence will be</i>   | ATA<br>e sent to<br>provideo  | 16053801<br>801)516-4934<br><b>the e-mail addre</b>   | ess first; if that is un<br>cessful, it will be se                                   |                    |       |  |
| Application Number:<br>CORRESPONDENCE D<br>Fax Number:<br><i>Correspondence will be<br/>using a fax number, if p</i><br>Email:<br>Correspondent Name:   | ATA<br>e sent to<br>provideo  | 16053801<br>801)516-4934<br><i>the e-mail addre</i><br>; <i>if that is unsuce</i><br>ndlsipr1@gmail.co<br><ao associate<="" td=""><td>ess first; if that is un<br/>cessful, it will be se</td><td></td><td></td></ao> | ess first; if that is un<br>cessful, it will be se                                   |                    |       |  |
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| Application Number:<br>CORRESPONDENCE D<br>Fax Number:<br>Correspondence will be<br>using a fax number, if p<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:<br>ATTORNEY DOCKET NUME<br>NAME OF SUBMITTER:<br>SIGNATURE: | ATA<br>e sent to<br>provideo  | 16053801<br>(801)516-4934<br><b>the e-mail addre</b><br>( <b>if that is unsuce</b><br>(AO ASSOCIATE<br>P.O. BOX 1380<br>HAVERTOWN, PE<br>DL-026-AMF<br>(KAO H LU<br>/Kao H Lu/<br>03/19/2019                          | ess first; if that is un<br>cessful, it will be se<br>om<br>S LU<br>ENNSYLVANIA 1908 | ant via US 1<br>33 | Mail. |  |

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## ASSIGNMENT

WHEREAS, <u>(1) Chung-Ping LAI (2) Kuo-Hsin CHANG</u>, residing at <u>(1)Hsinchu (2) Chiayi</u>, are citizens of the Taiwan (hereafter the undersigned or assignor), are the inventors of

#### Filament structure of LED light bulb

[x] said application having been filed in the United States Patent and Trademark Office on  $\_08/03/2018\_$ , (Application Serial No.  $\_16/053.801\_$ ) the application serial number of said application when known;

AND, WHEREAS BGT Materials Limited,

Who's address is <u>2.312 Photon Science Institute</u>, <u>University of Manchester</u>, <u>Oxford Road</u>, <u>Manchester M13 9PL</u>, <u>United Kingdom</u> hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues and prolongations thereof;

NOW, THIS WITNESSETH, that for good and valuable consideration provided by said assignee to said assigner, the receipt of which is hereby acknowledged, said assigner hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues and prolongations thereof: said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefore, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof,

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof,

To said assignee, and said assignee's successors and assigns, in accordance herewith.

| Chung-Ping LAI           | / Chung-Ping LAI / | 02/01/2019 |
|--------------------------|--------------------|------------|
| Name of first inventor   | Signature          | Date       |
| Kuo-Hsin CHANG           | / Kuo-Hsin CHANG/  | 02/01/2019 |
| Name of second inventor, | Signature          | Date       |

## PATENT REEL: 048637 FRAME: 0581

## **RECORDED: 03/19/2019**