

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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|                                                                                                                                                                                                 |                                         |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                          |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                              |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                         |                       |
|                                                                                                                                                                                                 | <b>Name</b>                             | <b>Execution Date</b> |
|                                                                                                                                                                                                 | SHIN-ETSU CHEMICAL CO., LTD.            | 01/05/2022            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                         |                       |
| <b>Name:</b>                                                                                                                                                                                    | UBMATERIALS INC.                        |                       |
| <b>Street Address:</b>                                                                                                                                                                          | 10, HAKCHON-RO, YANGJI-MYEON, CHEOIN-GU |                       |
| <b>City:</b>                                                                                                                                                                                    | YONGIN-SI, GYEONGGI-DO                  |                       |
| <b>State/Country:</b>                                                                                                                                                                           | KOREA, REPUBLIC OF                      |                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 17162                                   |                       |
| <b>PROPERTY NUMBERS Total: 5</b>                                                                                                                                                                |                                         |                       |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                           |                       |
| <b>Application Number:</b>                                                                                                                                                                      | 13643375                                |                       |
| <b>Application Number:</b>                                                                                                                                                                      | 14357768                                |                       |
| <b>Application Number:</b>                                                                                                                                                                      | 14483140                                |                       |
| <b>Application Number:</b>                                                                                                                                                                      | 14483135                                |                       |
| <b>Application Number:</b>                                                                                                                                                                      | 14874379                                |                       |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                         |                       |
| <b>Fax Number:</b>                                                                                                                                                                              | (971)271-8021                           |                       |
| <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>                                                                                                                                                                                   | 9712718020                              |                       |
| <b>Email:</b>                                                                                                                                                                                   | foreigninbound@mccrus.com               |                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | MCCOY RUSSELL LLP                       |                       |
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| <b>Address Line 4:</b>                                                                                                                                                                          | PORTLAND, OREGON 97209                  |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | PLS21201                                |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | KATHRYN ROSS                            |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Kathryn Ross/                          |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 03/03/2022                              |                       |
| <b>Total Attachments: 1</b>                                                                                                                                                                     |                                         |                       |
| source=Assignment_PLS21201#page1.tif                                                                                                                                                            |                                         |                       |

## ASSIGNMENT

WHEREAS, SHIN-ETSU CHEMICAL CO., LTD. (hereinafter "Assignor") a corporation organized and existing by virtue of the laws of Tokyo, Japan, and having a principal place of business at 4-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo, 100-0005 Japan, is the sole and exclusive owner of all rights in the patents and/or applications therefor, as indicated in the below table:

| Title                                                                                                | Serial No. | Filing Date        |
|------------------------------------------------------------------------------------------------------|------------|--------------------|
| CMP SLURRY COMPOSITION FOR TUNGSTEN                                                                  | 13/643,375 | October 25, 2012   |
| METHODS OF MANUFACTURING ABRASIVE PARTICLE AND POLISHING SLURRY                                      | 14/483,140 | September 10, 2014 |
| ABRASIVE PARTICLE, POLISHING SLURRY, AND METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE USING THE SAME | 14/483,135 | September 10, 2014 |
| METHODS OF MANUFACTURING ABRASIVE PARTICLE AND POLISHING SLURRY                                      | 14/874,379 | October 02, 2015   |

(hereinafter the "Subject Patent Assets"); and

WHEREAS, UBmaterials Inc. (hereinafter "Assignee"), a corporation organized and existing by virtue of the laws of Korea, and having a principal place of business at 10, Hakchon-ro, Yangji-myeon, Cheoin-gu, Yongin-si, Gyeonggi-do, 17162 Republic of Korea, desires to acquire all rights in the Subject Patent Assets, including any and all rights to pursue claims and damages for prior acts of infringement by third parties;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby assign unto Assignee all right, title, and interest in and to the Subject Patent Assets, including any and all Letters Patent based thereon now or in the future granted in the United States and its territorial possessions and in any and all foreign jurisdictions, and in and to any and all divisions, continuations, reissues, reexaminations, and extensions thereof, and all claims for infringement thereof both arising prior to and on or after the effective date of this Assignment, which is the date of last signature below.

SHIN-ETSU CHEMICAL CO., LTD.:

Signature: 

Printed Name: Toshio Shiobara

Title: Corporate Officer

Date: January 5, 2022

UBmaterials Inc.:

Signature: 

Printed Name: Sangho Lee

Title: CEO

Date: Jan. 27, 2022