

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6312771

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KYLE M. WHITTEN	09/17/2020
STEPHAN I. BRAYE	09/17/2020
JIANWEN HAN	09/17/2020
PINGPING YE	09/17/2020
THOMAS B. RICHARDSON	09/17/2020
ELIE H. NAJJAR	09/17/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MACDERMID ENTHONE INC.
<b>Street Address:</b>	245 FREIGHT STREET
<b>City:</b>	WATERBURY
<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06702
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17005407
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(203)784-3199
<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>Email:</b>	MPSpatents@carmodylaw.com
<b>Correspondent Name:</b>	CARMODY TORRANCE SANDAK & HENNESSEY LLP
<b>Address Line 1:</b>	195 CHURCH STREET
<b>Address Line 2:</b>	PO BOX 1950
<b>Address Line 4:</b>	NEW HAVEN, CONNECTICUT 06509-1950
<b>ATTORNEY DOCKET NUMBER:</b>	33225-02A (AES)
<b>NAME OF SUBMITTER:</b>	LINDA M. FREED
<b>SIGNATURE:</b>	/Linda M. Freed/
<b>DATE SIGNED:</b>	09/23/2020
<b>Total Attachments: 3</b>	

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## ASSIGNMENT

**WHEREAS, We,**

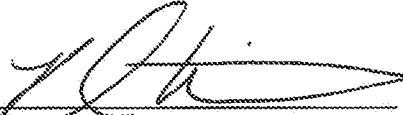
**KYLE M. WHITTEN**, residing at 570 Redstone Drive, Cheshire, CT 06410, United States; **STEPHAN I. BRAYE**, residing at 35 Claudia Drive, Apt. 122, West Haven CT, 06516, United States; **JIANWEN HAN**, residing at 17 Revere Circle, Southbury, CT 06488, United States; **PINGPING YE**, residing at 71 Mesa Dr, Bethany, CT, 06524, United States; **THOMAS B. RICHARDSON**, residing at 99 Roast Meat Hill Road, Killingworth, CT 06419, United States; and **ELIE H. NAJJAR** residing at 16 Talbot Farm Road, Norwood, MA 02062, United States, having made an invention entitled **COMPOSITIONS AND METHODS FOR THE ELECTRODEPOSITION OF NANOTWINNED COPPER**, Attorney Docket No. 33225-02A (AES), an application for which a patent of The United States of America which was filed on August 28, 2020 and assigned application serial number 17/005,407.

**NOW, THEREFORE**, for good and valuable consideration, receipt of which is acknowledged, we have agreed to assign and transfer and do hereby assign and transfer unto the **MacDermid Enthone Inc.**, having an office and place of business at 245 Freight Street, Waterbury, Connecticut 06702, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any division, continuation or continuation-in-part, of said application, and in and to any and all patents and reissues and extensions thereof, of The United States of America and countries foreign thereto (including the right to apply for a patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted on any of the foregoing to be held and enjoyed as fully and exclusively as they would have been by us had this assignment and transfer not been made;

We do further agree for ourselves and for our heirs, executors and administrators to execute and deliver without further consideration any further applications, assignments and documents, and to perform such other acts as we lawfully may, that may be deemed necessary by the said **MacDermid Enthone Inc.**, its successors, assigns, and nominees, fully to secure its interest as aforesaid and to obtain or maintain patents in any and all countries;

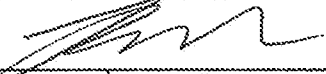
And we do hereby authorize and request the Commissioner of Patents and any and all other Patent Office representatives around the world to issue any and all patents which may be granted upon any of the said applications, to the said MacDermid Enthone Inc., as the assignee of the entire interest therein.

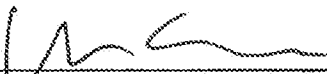
IN TESTIMONY WHEREOF, we have hereunto signed our names on the date indicated hereinafter.

  
\_\_\_\_\_  
KYLE M. WHITTEN

9/17/2020  
\_\_\_\_\_  
Date

SIGNED IN THE PRESENCE OF WITNESSES:


(1)   
\_\_\_\_\_  
Print Name: Kam Sin  
Date: 9/17/2020

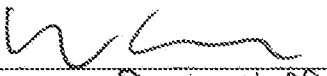
(2)   
\_\_\_\_\_  
Print Name: David Shaffer  
Date: 9/17/2020

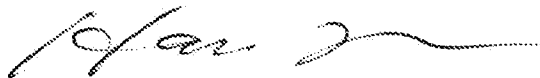
  
\_\_\_\_\_  
STEPHAN I. BRAYE

9/17/2020  
\_\_\_\_\_  
Date

SIGNED IN THE PRESENCE OF WITNESSES:


(1)   
\_\_\_\_\_  
Print Name: Kam Sin  
Date: 9/17/2020


(2)   
\_\_\_\_\_  
Print Name: David Shaffer  
Date: 9/17/2020


  
\_\_\_\_\_  
JIANWEN HAN

9/17/2020  
\_\_\_\_\_  
Date

SIGNED IN THE PRESENCE OF WITNESSES:

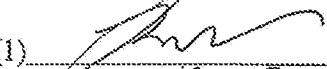
(1)   
\_\_\_\_\_  
Print Name: 9/17/2020  
Date: Kam Sin

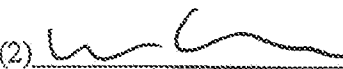
(2)   
\_\_\_\_\_  
Print Name: David Shaffer  
Date: 9/17/2020

  
PINGPING YE

09/17/2020  
Date

SIGNED IN THE PRESENCE OF WITNESSES:

(1)   
Print Name: Kam Siu

(2)   
Print Name: David Shaffer

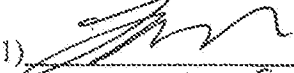
Date: 9/17/2020

Date: 9/17/2020

  
THOMAS B. RICHARDSON

9/17/2020  
Date


SIGNED IN THE PRESENCE OF WITNESSES:

(1)   
Print Name: Kam Siu

(2)   
Print Name: David Shaffer

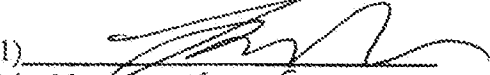
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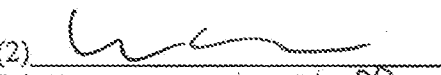
Date: 9/17/2020

  
ELIE H. NAJJAR

9.17.2020  
Date

SIGNED IN THE PRESENCE OF WITNESSES:

(1)   
Print Name: Kam Siu

(2)   
Print Name: David Shaffer

Date: 9/17/2020

Date: 9/17/2020