505795944 11/27/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT5842773

CONVEYING PARTY DATA

Name	Execution Date
DONALD DESALVO	11/26/2019
RON BLAKE	11/22/2019
CARMICHAEL GUGLIOTTI	11/22/2019
WILLIAM J. DECESARE	11/22/2019
RICHARD BELLEMARE	11/22/2019

RECEIVING PARTY DATA

Name:	MACDERMID ENTHONE INC.
Street Address:	245 FREIGHT STREET
City:	WATERBURY
State/Country:	CONNECTICUT
Postal Code:	06702

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16674052

CORRESPONDENCE DATA

Fax Number: (203)784-3199

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.

Email: MPSpatents@carmodylaw.com

Correspondent Name: CARMODY TORRANCE SANDAK & HENNESSEY LLP

Address Line 1: 195 CHURCH STREET

Address Line 2: PO BOX 1950

Address Line 4: NEW HAVEN, CONNECTICUT 06509-1950

ATTORNEY DOCKET NUMBER: 33223-01A (ES)

NAME OF SUBMITTER: LINDA FREED

SIGNATURE: /Linda Freed/
DATE SIGNED: 11/27/2019

Total Attachments: 3 source=N5643027#page1.tif

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> PATENT REEL: 051131 FRAME: 0731

ASSIGNMENT

WHEREAS, we,

Park Phase 3, JiangSu Province, P.R.C. 215126 China; RON BLAKE c/o MacDermid Enthone Inc., 245 Freight Street, Waterbury CT 06702, United States; CARMICHAEL GUGLIOTTI c/o MacDermid Enthone Inc., 245 Freight Street, Waterbury CT 06702, United States; WILLIAM J. DECESARE residing at 13 Old Stonebrook Court, Wolcott CT, 06716, United States and; RICHARD BELLEMARE c/o MacDermid Enthone Inc., 245 Freight Street, Waterbury CT 06702, United States, having made an invention entitled SINGLE STEP ELECTROLYTIC METHOD OF FILLING THROUGH HOLES IN PRINTED CIRCUIT BOARDS AND OTHER SUBSTRATES, Attorney Docket No. 33223-01A (ES), an application for which a patent of The United States of America which was filed on November 5, 2019 and assigned application serial number 16/674,052.

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;

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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 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.

Nov 26, 2019

DONALD DESALVO	Date
SIGNED IN THE PRESENCE OF WITN	ISSES:
(1) Eclard Belleman Print Name:	(2) <u>Rosy RCAK</u> Print Name:
Date:	Date: 11/26/19
	11/22/19
RON BLAKE	Date
SIGNED IN THE PRESENCE OF WITN	esses:
(1) Carnichael Coglotti Print Name:	(2) <u>E.J. Bellemans</u> Print Name:
Date: 11/22/19	Date: 11/22/19

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Jul age	11/22/19	
CARMICHAEL GUGLIOTTI	Date	
SIGNED IN THE PRESENCE OF WITNESSES:		
(1) Ros BLAKE Print Name:	(2) Rich Bellemore Print Name:	
Date: 11/22/15	Date:11/22/19	
William I Ideane	Novanda 22, 2019	
WILLIAM J. DECESARE	Date	
SIGNED IN THE PRESENCE OF WITNESSES:		
(1) Rich Bollomore	(2) (Necidal Galotti Print Name:	
Date: 11/22/2019	Date: 11/12/19	
<u> 2560</u>		
RICHARD BELLEMARE	Date	
SIGNED IN THE PRESENCE OF WITNESSES:		
(1) Carnicked Vigloti Print Name:	(2) <u>கெல் நிட்வட்ச</u> Print Name:	
Date: 11/22/19	Date: 11/22/19	

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RECORDED: 11/27/2019