

02/25/2013

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



103655626

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Emabond Solutions, LLC

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 11/30/2012

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

**2. Name and address of receiving party(ies)**

Name: TAS Acquisition Co., LLC

Internal Address:

Street Address: 370 East Maple Rd., Third Floor

City: Birmingham

State: MI

Country: USA Zip: 48009

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

12/214,502; 12/486,874

7,984,738; 6,056,844; 6,939,477; 5,810,958

Additional numbers attached? ☒ Yes ☐ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Anne Cubera Lipp

Internal Address: Lippitt O'Keefe, PLLC

Street Address: 370 E. Maple Rd., Third Floor

City: Birmingham

State: MI Zip: 48009

Phone Number: 248-646-8292

Docket Number:

Email Address: alipp@lippittokeefe.com

**6. Total number of applications and patents involved: 9**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 360**

- ☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 00000020 12214502  
01 FC:0021 360.00 00  
Authorized User Name

**9. Signature:** Anne Cubera Lipp  
Signature

2/15/13  
Date

Anne Cubera Lipp  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: **9**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Additional Patent Numbers Assigned By Emabond Solutions, LLC to TAS Acquisition Co., LLC on  
November 30, 2012:

5,968,304

5,639,427

5,453,149

## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of November 30th, 2012 (the "Effective Date"), is by and between EMABOND SOLUTIONS, LLC, a New Jersey limited liability company ("ASSIGNOR"), and TAS ACQUISITION CO., LLC, a Michigan limited liability company ("ASSIGNEE").

### RECITALS

WHEREAS, ASSIGNOR has sold certain assets with respect to ASSIGNOR's business to ASSIGNEE;

WHEREAS, ASSIGNOR presently owns or controls certain patents and patent applications listed on Appendix A attached hereto (hereinafter the "TRANSFERRED PATENTS"); and

WHEREAS, in furtherance of the aforementioned asset sale between ASSIGNOR and ASSIGNEE, ASSIGNOR desires to transfer to ASSIGNEE the entire right, title and interest for all countries, jurisdictions and political entities throughout the world in and to the TRANSFERRED PATENTS, including all re-issuances, continuations, divisionals, continuations-in-part, revisions, extensions, reexaminations and all foreign equivalents thereof;

NOW THEREFORE, be it known that for valid consideration, the receipt and sufficiency of which is hereby acknowledged, the parties, intending to be legally bound, agree as follows:

Pursuant to the aforementioned asset sale between ASSIGNOR and ASSIGNEE, and subject only to the existing rights and licenses of Watts Water Technologies, Inc. under that certain Watts-Emabond License Agreement, dated as of November 22, 2010, amended as of May 21, 2012 ("Watts-Emabond License") and Section 3.2 of that certain Exoweld Agreement, dated as of November 30, 2012, ASSIGNOR has sold, assigned, and transferred, and does hereby sell, assign, and transfer unto ASSIGNEE, its lawful successors and assigns, all right, title, and interest in and to the TRANSFERRED PATENTS, including all re-issuances, continuations, divisionals, continuations-in-part, revisions, extensions, reexaminations and all foreign equivalents thereof, for all countries, jurisdictions and political entities throughout the world; all rights to claim priority on the basis of the TRANSFERRED PATENTS; and, subject only to the Watts-Emabond License and Section 3.2 of the Exoweld Agreement, to have and to hold the same for the sole and exclusive use and benefit of ASSIGNEE, its successors and assigns, together with all income, royalties, claims, damages or payments due or payable as of the Effective Date or thereafter, including, without limitation, all claims for damages by reason of past, present or future infringement or other unauthorized use of the TRANSFERRED PATENTS, with the right to sue for, and collect the same for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, or other legal representatives, to the full end of the term and terms for all such TRANSFERRED PATENTS.

After the Effective Date of this Assignment, except as specifically provided in the Watts-Emabond License and Section 3.2 of the Exoweld Agreement, ASSIGNOR: (i) shall make no use of the TRANSFERRED PATENTS, on or in connection with any product or service anywhere in

the world; and (ii) shall refrain from making, using, or selling any products or technology covered by the TRANSFERRED PATENTS anywhere in the world.

ASSIGNOR hereby authorizes the U.S. Director of Patents and Trademark Office, and the corresponding entities or agencies in any applicable foreign countries, to record ASSIGNEE as owner of the TRANSFERRED PATENTS.

{00191512}2 of 7

Handwritten signature or initials, possibly "S. J. R.", in the bottom right corner.

IN WITNESS WHEREOF, the parties have caused this Assignment to be executed by their duly authorized representatives on the respective dates entered below.

**EMABOND SOLUTIONS, LLC**

By: 

Steven M. Chookazian, Manager

Print Name: \_\_\_\_\_

Date: NOVEMBER 30, 2022

**TAS ACQUISITION CO, LLC**

By: 

Timothy S. Gale, Manager

Print Name: \_\_\_\_\_

Date: NOVEMBER 30, 2022

This Assignment does not bind or obligate any party in any manner unless duly executed by authorized representatives of both parties.

This Assignment may be executed in any number of counterparts, each of which when so executed and delivered shall be deemed an original, and such counterparts together shall constitute one and the same instrument. A facsimile copy of this Assignment, or any form of an electronic copy of this Assignment, including the signature pages hereto, shall be deemed to be an original.



ACKNOWLEDGMENTS

STATE OF NEW JERSEY )

) ss:  
County of ESSEX )

On this 30<sup>th</sup> day of November, 2012, before me a Notary Public in and for the above County and State, personally appeared Steven M. Chookazian, and acknowledged the execution of the foregoing assignment as his free act and deed for the purpose herein set forth.

Jill M. Chapman  
Notary Public

My Commission Expires: JILL M. CHAPMAN  
A NOTARY PUBLIC OF NEW JERSEY  
MY COMMISSION EXPIRES MARCH 16, 2014

STATE OF NEW JERSEY )

) ss:  
County of ESSEX )

On this 30<sup>th</sup> day of November, 2012, before me a Notary Public in and for the above County and State, personally appeared Timothy S. Gale, and acknowledged the execution of the foregoing assignment as his free act and deed for the purpose herein set forth.

Jill M. Chapman  
Notary Public

My Commission Expires: JILL M. CHAPMAN  
A NOTARY PUBLIC OF NEW JERSEY  
MY COMMISSION EXPIRES MARCH 16, 2014

*Handwritten initials and date:*  
DPL / 16

# Appendix A (1 OF 3)

Serial No.	Patent No.	Country	Status	Title	Filing Date	Issue Date
200880021956.2	N/A	CN	PUBLISHED - PENDING	TEMPERATURE CONTROLLED POLYMER COMPOSITION FOR INDUCTIVE CONTROL HEATING USING ELECTRICAL CONDUCTIVE AND MAGNETIC PARTICLES AND THE METHODS OF USE THEREOF	6/25/2008	N/A
11/983,961	7,984,738	US	ISSUED	TEMPERATURE CONTROLLED POLYMER COMPOSITION FOR INDUCTIVE CONTROL HEATING USING ELECTRICAL CONDUCTIVE AND MAGNETIC PARTICLES AND THE METHODS OF USE THEREOF	11/13/2007	7/26/2011
PCT/US08/007946	N/A	WO	EXPIRED	TEMPERATURE CONTROLLED POLYMER COMPOSITION FOR INDUCTIVE CONTROL HEATING USING ELECTRICAL CONDUCTIVE AND MAGNETIC PARTICLES AND THE METHODS OF USE THEREOF	6/25/2008	N/A
200980122656.8	N/A	CN	PUBLISHED - PENDING	DUAL SUSCEPTOR TEMPERATURE CONTROLLED RESIN COMPOSITION FOR INDUCTIVE CONTROL HEATING AND METHODS OF USE	5/20/2009	N/A
9766992.3	N/A	EP	PUBLISHED - PENDING	DUAL SUSCEPTOR TEMPERATURE CONTROLLED RESIN COMPOSITION FOR INDUCTIVE CONTROL HEATING AND METHODS OF USE	5/20/2009	N/A
12/214,502	N/A	US	PUBLISHED - PENDING	DUAL SUSCEPTOR TEMPERATURE CONTROLLED RESIN COMPOSITION FOR INDUCTIVE CONTROL HEATING AND METHODS OF USE	6/19/2008	N/A
PCT/US2009/003121	N/A	WO	EXPIRED	DUAL SUSCEPTOR TEMPERATURE CONTROLLED RESIN COMPOSITION FOR INDUCTIVE CONTROL HEATING AND METHODS OF USE	5/20/2009	N/A
200980136492.4	N/A	CN	PUBLISHED - PENDING	INDUCTIVE TEMPERATURE CONTROLLED LAYERED POLYMER PIPE BONDING AND THE METHODS OF USE	9/9/2009	N/A

*SW*  
*DPL/K*

# Appendix A (2 OF 3)

Serial No.	Patent No.	Country	Status	Title	Filing Date	Issue Date
09789279.8	N/A	EP	PUBLISHED - PENDING	INDUCTIVE TEMPERATURE CONTROLLED LAYERED POLYMER PIPE BONDING AND THE METHODS OF USE	9/9/2009	N/A
12/486,874	N/A	US	PUBLISHED - PENDING	INDUCTIVE TEMPERATURE CONTROLLED LAYERED POLYMER PIPE BONDING AND THE METHODS OF USE	6/18/2009	N/A
PCT/US2009/005054	N/A	WO	EXPIRED	INDUCTIVE TEMPERATURE CONTROLLED LAYERED POLYMER PIPE BONDING AND THE METHODS OF USE	9/9/2009	N/A
1932847.5	1326741	BE	ABANDONED	TEMPERATURE CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	5/1/2001	8/9/2006
2,446,140	2,446,140	CA	ISSUED	TEMPERATURE-CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	5/1/2001	11/18/2008
PCT/US01/014079	N/A	WO	EXPIRED	TEMPERATURE-CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	5/1/2001	N/A
01932847.5	1326741	EP	ABANDONED	TEMPERATURE-CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	5/1/2001	8/9/2006
01932847.5	1326741	FR	ABANDONED	TEMPERATURE-CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	5/1/2001	8/9/2006
01932847.5	60122188.5	DE	ABANDONED	TEMPERATURE-CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	5/1/2001	8/9/2006
1932847.5	34801	IT	ABANDONED	TEMPERATURE-CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	5/1/2001	8/9/2006
01932847.5	1326741	NL	ABANDONED	TEMPERATURE-CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	5/1/2001	8/9/2006
01932847.5	1326741	ES	ABANDONED	TEMPERATURE-CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	5/1/2001	8/9/2006
09/090,865	6,056,844	US	ISSUED	TEMPERATURE-CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	6/5/1998	5/2/2000
09/562,188	N/A	US	ABANDONED	TEMPERATURE-CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	5/2/2000	
09/847,055	6,939,477	US	ISSUED	TEMPERATURE-CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	5/1/2001	9/6/2005
11/070,539	N/A	US	ABANDONED	TEMPERATURE-CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	3/2/2005	N/A

{00191512}6 of 7

*SW*  
*TP 6/16*



# Appendix A (3 OF 3)

Serial No.	Patent No.	Country	Status	Title	Filing Date	Issue Date
12/152,258	N/A	US	ABANDONED	TEMPERATURE-CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIALS	5/13/2008	N/A
PCT/US02/20681	N/A	WO	EXPIRED	INDUCTION HEATING USING DUAL SUSCEPTORS	6/28/2002	N/A
2452319	N/A	CA	ABANDONED	METHODS OF INDUCTION HEATING USING DUAL SUSCEPTORS	6/28/2002	N/A
02804805.6	N/A	EP	ABANDONED	METHODS OF INDUCTION HEATING USING DUAL SUSCEPTORS	6/28/2002	N/A
00031/delnp/2004	N/A	IN	PENDING	INDUCTION HEATING USING DUAL SUSCEPTORS	6/28/2002	N/A
2003-563267	N/A	JP	ABANDONED	INDUCTION EHATING USING DUAL SUSCEPTORS	6/28/2002	N/A
10/432,278	N/A	US	ABANDONED	INDUCTION HEATING USING DUAL SUSCEPTORS	5/16/2003	N/A
2004-700001	N/A	KR	ABANDONED	INDUCTION HEATING USING DUAL SUSCEPTORS	6/28/2002	N/A
08/856,327	5,810,958	US	ISSUED	PROCESS FOR FORMING FLUID FLOW CONDUIT SYSTEMS AND PRODUCTS THEREOF	5/14/1997	9/22/1998
09/025,881	5,968,304	US	ISSUED	PROCESS FOR FORMING FLUID FLOW CONDUIT SYSTEMS AND PRODUCTS THEREOF	2/19/1998	10/19/1999
08/378,350	5,639,427	US	ISSUED	SULFURIC ACID PREPARATION ASSEMBLY	1/26/1995	6/17/1997
07/652,132	5,453,149	US	ISSUED	IMPROVED PROCESS FOR EFFECTING ELECTROMAGNETIC BONDING OF PLASTIC PART	2/7/1991	9/26/1995
584,218	1,309,364	CA	ISSUED	REUSABLE PLASTIC DRUM CONTAINER ASEMBLY AND PROCESS FOR REFITTING SUCH PLASTIC DRUM CONTAINER ASSEMBLY	11/25/1988	10/27/1992
07/182,667	4,878,978	US	EXPIRED	BONDING METHOD OF HIGH PERFORMANCE INDUCTION CURABLE TWO-COMPONENT STRUCTURAL ADHESIVE WITH NONSAGGING BEHAVIOR	4/18/1988	11/7/1989
07/128,030	4,880,580	US	EXPIRED	REUSABLE PLASTIC DRUM CONTAINER ASSEMBLY AND PROCESS FOR REFITTING SUCH PLASTIC DRUM CONTAINER ASSEMBLY	12/3/1987	11/14/1989
07/369,778	4,941,584	US	EXPIRED	REUSABLE PLASTIC DRUM CONTAINER ASSEMBLY	6/21/1989	7/17/1990

{00191512} 7 of 7

*Handwritten signature and initials*