

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2792473

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
EMERACHEM LLC		03/28/2014
RECEIVING PARTY DATA		
Name:	EMERACHEM HOLDINGS, LLC	
Street Address:	201 PERIMETER PARK DRIVE	
City:	KNOXVILLE	
State/Country:	TENNESSEE	
Postal Code:	37922	
PROPERTY NUMBERS Total: 17		
Property Type	Number	
Patent Number:	5451558	
Patent Number:	5599758	
Patent Number:	5607650	
Patent Number:	5650127	
Patent Number:	5665321	
Patent Number:	5762885	
Patent Number:	5888924	
Patent Number:	5953911	
Patent Number:	6007781	
Patent Number:	6033638	
Patent Number:	6037307	
Patent Number:	6096277	
Patent Number:	6121189	
Patent Number:	6251347	
Patent Number:	6479022	
Patent Number:	6521196	
Patent Number:	7951346	
CORRESPONDENCE DATA		
Fax Number:	(865)523-4478	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via</i>		
PATENT		

US Mail.

Phone: 865-546-4305
Email: mbradford@luedeka.com
Correspondent Name: MICHAEL J. BRADFORD
Address Line 1: P. O. BOX 1871
Address Line 4: KNOXVILLE, TENNESSEE 37901

ATTORNEY DOCKET NUMBER:	69284.00
NAME OF SUBMITTER:	MICHAEL J. BRADFORD
SIGNATURE:	/Michael J. Bradford/
DATE SIGNED:	03/31/2014

Total Attachments: 5

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PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment") is dated this 28 day of March, 2014 (the "Execution Date"), but effective as of January 1, 2008 (the "Effective Date"), by EmeraChem LLC, a Delaware limited liability company ("ASSIGNOR"), to EmeraChem Holdings, LLC, a Delaware limited liability company ("ASSIGNEE"), with reference to the following facts:

RECITALS

A. ASSIGNOR owns the United States patents set forth on Exhibit A hereto (the "Patents") and the patent applications filed with the United States Patent and Trademark Office set forth on Exhibit B hereto (the "Patent Applications").

B. ASSIGNOR is a wholly-owned subsidiary of ASSIGNEE.

C. ASSIGNOR desires to assign to ASSIGNEE, and ASSIGNEE desires to receive, all of ASSIGNOR's right, title and interest in and to the Patents and the Patent Applications.

AGREEMENT

In consideration of the foregoing premises, the mutual covenants and agreements contained herein, ASSIGNOR agrees as follows:

1. ASSIGNOR does hereby sell, transfer, convey, assign and deliver to ASSIGNEE all right, title and interest in and to the Patents and the Patent Applications, and any patents that may issue therefrom, including any foreign counterparts, divisions, continuations or reissues thereof, the same to be held by ASSIGNEE for ASSIGNEE's own use and enjoyment, and for the use and enjoyment of ASSIGNEE's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR if this Assignment had not been made; together with all claims for damages by reason of past infringements of the Patents and Patent Applications, along with the right to sue for and collect such damages for the use and benefit of ASSIGNEE and its successors, assigns and other legal representatives.

2. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue the same to ASSIGNEE and its successors, assigns and other legal representatives in accordance with the terms of this instrument.

3. ASSIGNOR hereby covenants with ASSIGNEE and the successors and permitted assigns of ASSIGNEE that, from time to time after the date hereof, ASSIGNOR will promptly execute and deliver to ASSIGNEE or shall promptly procure the execution and delivery of any and all such instruments of sale, transfer, conveyance, assignment and delivery, consents, assurances, powers of attorney and other instruments as may reasonably be requested by ASSIGNEE in order to vest in ASSIGNEE all of ASSIGNOR's right, title and interest in and to

the Patents and Patent Applications and carry out the purpose and intent of this Assignment and the Purchase Agreement.

[signature page follows]

IN WITNESS WHEREOF, ASSIGNOR has executed this Assignment as of the Execution Date but with the assignment set forth herein to be effective as of the Effective Date.

EMERACHEM LLC

By:

Signature

Printed Name

Title

ACKNOWLEDGMENT

State of Tennessee)

) ss:

County of Knox)

On this 23 day of March, 2014, before me, the undersigned, personally appeared Thomas Girdleston personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed this instrument on behalf of the corporation named herein, and acknowledged that s/he executed it in such representative capacity.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

Notary Public

My Commission Expires on 2/11/2016

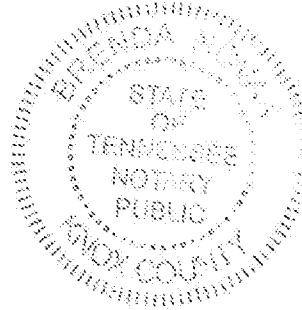


EXHIBIT A**Issued Patents**

Title	Patent No.	Filing Date	Inventors
		Granted Date	
Process for the Reaction And Absorption of Gaseous Air Pollutants, Apparatus Therefore and Method of Making the Same	5,451,558	06/09/1999 09/19/1995	Larry Campbell, Eugene Guth, Robert Danziger, Sally Padron
Regeneration of Catalyst/Absorber	5,599,758	12/23/1994 02/04/1977	Larry Campbell, Eugene Guth
Apparatus for Removing Contaminants From Gaseous Stream	5,607,650	09/18/1995 03/04/1997	Lawrence Debbage, Eugene Kelly, Larry Campbell, Eugene Guth, Robert Danziger, Sally Padron
NOx Removal Process	5,650,127	12/13/1994 07/22/1997	Larry Campbell, Robert Danziger, Eugene Guth
Process for the Reaction and Absorption of Gaseous Air Pollutants, Apparatus Therefor and Method of Making Same	5,665,321	06/12/1995 09/09/1997	Larry Campbell, Eugene Guth, Robert Danziger, Sally Padron
Apparatus for Removing Contaminants from Gaseous Stream	5,762,885	02/19/1997 06/09/1998	Lawrence Debbage, Thomas Harris, D.E. Kelly, Cary Seabaugh, Robert McDonald, Boris Reyes, Robert Danziger
Pollutant Removal from Air in Closed Spaces	5,888,924	08/07/1996 03/30/1999	Larry Campbell, Michele Sanders
Regeneration of Catalyst/Absorber	5,953,911	02/04/1998 09/21/1999	Larry Campbell, Eugene Guth, Gregory Wagner

Pollutant Removal from Air in Closed Spaces	6,007,781	11/24/1997 12/28/1999	Larry Campbell, Michele Sanders
Sequential Adsorptive Capture and Catalytic Oxidation of Volatile Organic Compounds in a Reactor Bed	6,033,638	03/20/1998 03/07/2000	Larry Campbell, Michele Sanders
Catalyst/Sorber for Treating Sulfur Compound Containing Effluent	6,037,307	07/10/1998 03/14/2000	Larry Campbell, Gregory Wagner
Pollutant Removal from Air in Closed Spaces	6,096,277	11/24/1997 08/01/2000	Larry Campbell, Michele Sanders
Pollutant Removal from Air in Closed Spaces	6,121,189	12/08/1998 09/19/2000	Larry Campbell, Michele Sanders
Sequential Absorptive Capture and Catalytic Oxidation	6,251,347	10/29/1999 06/26/2001	Larry Campbell, Michele Sanders
Sequential Absorptive Capture and Catalytic Oxidation of Volatile Organic Compounds in a Reactor Bed	6,479,022	06/09/1999 11/12/2002	Larry Campbell, Michele Sanders
Process and Catalyst/Sorber for Treating Sulfur Compound Containing Effluent	6,521,196	04/04/2001 02/18/2003	Larry Campbell, Gregory Wagner
Methods and Systems for Reducing Particulate Matter in a Gaseous Stream	7,951,346 B2	05/31/2011	Steven DeCicco, Thomas Girdlestone, William Epling, Gregory Wagner