PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2974652

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEVEN D. JONS	08/24/2011
JOSEPH DOOLEY	08/29/2011
DAVID J. MOLL	09/26/2011
GREGG L POPPE	08/23/2011
MARK A. SPALDING	08/29/2011

RECEIVING PARTY DATA

Name:	DOW GLOBAL TECHNOLOGIES LLC
Street Address:	2040 DOW CENTER
City:	MIDLAND
State/Country:	MICHIGAN
Postal Code:	48674

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14115638

CORRESPONDENCE DATA

Fax Number: (989)636-3237

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.

Phone: 9896384378

Email: FBISSONNETTE@DOW.COM
Correspondent Name: FRANCHESCA BISSONNETTE

Address Line 1: 2040 DOW CENTER

Address Line 4: MIDLAND, MICHIGAN 48674

ATTORNEY DOCKET NUMBER:	70901
NAME OF SUBMITTER:	FRANCHESCA BISSONNETTE
SIGNATURE:	/Franchesca Bissonnette/
DATE SIGNED:	08/08/2014

Total Attachments: 4

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FORM 110 (8:595)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: ELECTRODEIONIZATION DEVICE INCLUDING ION EXCHANGE SPACER AND METHOD OF ASSEMBLY

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

> Dow Global Technologies LLC 2040 Dow Center Midland, Michigan 48674 United States of America

a limited liability company organized and existing under the laws of the State of Delaware (hereinafter referred to as the "Assignce"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

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Priority Number	Filing Date	Filipp Country
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a n 4 4 2 '2 3 4 9	June 10, 2011	United States of America
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of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I'we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or hitigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

AttEdina, Minnesota 55439 USA	
this 34 day of 14 the 10 2011 Signature:	~~~~
Full Name: Steven D. Jons Residence: 6783 Boyd Avenue Edgn Prairie, Minnesota 55346	تعديد
Country: United States of America Citizenship: United States of America	
P.O. Address: Same as Residence Employed By: The Dow Chemical Company	
Of Country:	

Att	Midland, Michigan 48674 USA
this 🕰	day of ,20
Effective	as of June 10, 2011
Signature	Qil)mer
Full Nam	e: David J. Moll/
Residence	e: 2627 East Mallard Lake Trail
	Midland, Michigan 48640
Совоску:	United States of America
Citizensh	ip: United States of America
P.O. Add	ress: Same as Residence
Employee	FBy: The Dow Chemical Commany

Midland, Michigan 48674 USA Hills MKW51 day of Effective as of June 10, 2011 Signature: Full Name: Joseph Deoley Residence: 3645 East Hubbard Road Midland, Michigan, 48642 Country: United States of America Citizenship: United States of America P.O. Address: Same as Residence Employed By: The Dow Chemical Company Of Country: United States of America

At:	Edina, Minnesota	55439 USA	
	day of Augus	ŧ ,	20. 88
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		Atternation	mound
Signature:			S Maria
Full Name: Gre	ga L. Popper	1	Ų/
Residence: 506	9 Pondsedge bosse		
Prio	r Lake, Minnesota 3	55372	
Country: United	States of America		
	ted States of Americ	3	
P.O. Address; Si	ame as Residence		
Employed By:	The Dow Chemical C	Company	
	ited States of Americ		

(X) Additional names and signatures are attached

Of Country: United States of America

dditional names, addresses and signatures to be attached to	Form No. 110 INDIVIDUAL ASSIGNMENTS	CASE NO. 70901-US-PS
EAU MRGIANG, MICHIGAN 48674, HSA	At:	AL WAD WASHING OF
this 2.9 day of Avau84 , 20 [[this day of	. 20
Signature: Mark G. Spalling	Signature:	
Full Name: Mark A. Spalding	Full Name:	
Residence: 3650 Maple Hill Court	Residence:	
Midland, Michigan 48640		
Country: United States of America	Country:	
Citizenship: United States of America	Citizenship:	
P.O. Address: Same as residence	P.O. Address: \	
Employed By: The Dow Chemical Company Of Country: United States of America	Employed By:	
or country, comed states of America	Of Country:	***************************************
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dris day of ,20	At:	20
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PATENT REEL: 033497 FRAME: 0145 FORM 222

Docket Ref. 70901

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA STATE OF MINNESOTA County/Parish of Hennepin) SS)	
On this <u>34</u> day of <u>Qu</u> before me,	Steven D	, 20_11, personally appeared
known or identified to me to be the foregoing document and acknowle purposes therein expressed. DOROTHYS. BOOGREN	individual de	
Notary Public State of Minnesota My Commission Expires January 31, 2015		Notary Public
NOTARIAL	CERTIFICA	TE (INDIVIDUAL)
UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland)) SS)	
On thisday ofs	agas <u>t</u>	, 20 , personally appeared
known or identified to me to be the foregoing document and acknowle purposes therein expressed.	Joseph Do individual de dged the same	scribed in and who executed the
Afra		Damber K. Malle
		AMBER R. MOBLEY NOTARY PUBLIC, MIDLAND COUNTY, MI MY COMMISSION EXPIRES: JULY 11, 2013
NOTARIAL	CERTIFICA	TE (INDIVIDUAL)
UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland)) SS	
On this <u>Ask</u> day of <u>So</u> f before me,	tinber	, 20 11 , personally appeared
known or identified to me to be the foregoing document and acknowle purposes therein expressed.	David J. I individual de: dged the same	scribed in and who executed the
AND		Osbert Miller

KIY COMMISSION EXPIRES: JULY 11, 2013 MOTARY PUBLIC, MIDLAND COUNTY, MI AMBER K MOBIET

> **PATENT REEL: 033497 FRAME: 0146**

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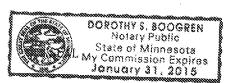
FORM 221

Docket Ref. 70901

NOTARIAL CERTIFICATE (INDIVIDUAL)

Gregg L. Poppe

known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.



NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERIC STATE OF MICHIGAN County/Parish of Midland	`A)) SS)	
On this 395 day of	lugat_	20, personally appeared

Mark A. Spalding

known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.

AHARA.

Notary Public

AMBER K. MOBLEY
NOTARY PUBLIC, MIDLAND COUNTY, MI
MY COMMISSION EXPIRES: JULY 11, 2013

PATENT REEL: 033497 FRAME: 0147

RECORDED: 08/08/2014