PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3404679

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROLF ECKHARDT	05/26/2011
MARTIN WEBER	05/13/2011
KATHRIN KELLER	05/13/2011
KATHRIN TOLLE	05/25/2011
RALF WARRATZ	05/13/2011

RECEIVING PARTY DATA

Name:	MSA AUER GMBH
Street Address:	THIEMANNSTRASSE 1
City:	BERLIN
State/Country:	GERMANY
Postal Code:	D-12059

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14743045

CORRESPONDENCE DATA

Fax Number: (412)945-5933

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: 412-471-8815

Email: assignments@webblaw.com THE WEBB LAW FIRM **Correspondent Name:** Address Line 1: 420 FT. DUQUESNE BLVD.

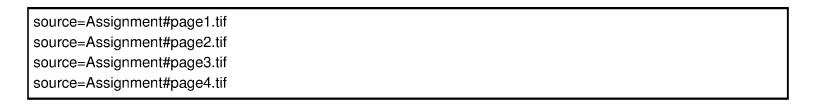
Address Line 2: ONE GATEWAY CENTER, STE. 1200 Address Line 4: PITTSBURGH, PENNSYLVANIA 15222

ATTORNEY DOCKET NUMBER:	6830-155000
NAME OF SUBMITTER:	NATHAN J. PREPELKA
SIGNATURE:	/Nathan J. Prepelka/
DATE SIGNED:	06/19/2015

Total Attachments: 4

PATENT REEL: 035867 FRAME: 0694

503358057



PATENT REEL: 035867 FRAME: 0695

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

i ·	ORM COVER SHEET
PATENT	rs only
To the Director of the U.S. Patent and Trademark Office: Plear	se record the attached documents or the new address(es) below.
1. Name of conveying party(ies) Rolf Eckhardt Ralf Warratz Martin Weber Kathrin Keller Kathrin Tölle	2. Name and address of receiving party(ies) Name: MSA Auer GmbH Internal Address:
Kathrin Tölle Additional name(s) of conveying party(ies) attached? Yes V No	
3. Nature of conveyance/Execution Date(s):	Street Address:Thiemannstrasse 1
Execution Date(s) 05/26/2011; 05/13/2011; 05/25/2011	
Assignment Merger	City: Berlin
Security Agreement Change of Name	
Joint Research Agreement Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: DE Zip: D-12059
Other	Additional name(s) & address(es) attached? ☐ Yes ✓ No
4. Application or patent number(s): ✓ This A. Patent Application No.(s) 14/743,045	document is being filed together with a new application. B. Patent No.(s)
Additional numbers att	tached?
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: Nathan J. Prepelka	7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>0</u>
Internal Address: The Webb Law Firm	Authorized to be charged by credit card
Street Address: One Gateway Center 420 Ft. Duquesne Blvd., Ste 1200	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)
City: Pittsburgh	8. Payment Information
State: <u>PA</u> Zip: <u>15222</u>	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: 412-471-8815	
Fax Number: 412-945-5933	b. Deposit Account Number
Email Address: assignments@webblaw.com	Authorized User Name
9. Signature:	June 19, 2015
Signature	Date
Nathan J. Prepelka Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

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

Doc. No. 34T7260

	INTERNATIONAL
Application No. 13	/131,324
Attorney Docket No	. 4385-111718

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

ELECTROCHEMICAL GAS SENSORS WITH IONIC LIQUID ELECTROLYTE SYSTEMS (Invention Title) for which I have this day executed an application for a United States Patent (hereinafter "said application"). AND/OR X for which an application for a United States Patent was filed on _05/26/2011 (mm/dd/yyyy) and bears Application Number13/131,324 (hereinafter "said application").

AND/OR

for which an international patent application was filed under the Patent Cooperation Treaty on 11/25/2009 (mm/dd/yyyy), bearing Application No. PCT/EP2009/065806 (hereinafter "said application").

AND, WHEREAS, MSA AUER GmbH, a corporation of Germany, having a place of business at Thiemannstrasse 1, D-12059 Berlin, Germany, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits

Page 1 of 3

INTERNATIONAL Application No. 13/131,324

Attorney Docket No. 4385-111718

from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR: Rolf ECKHARDT	RESIDENCE: Alzenau, Germany
EXECUTED this 26 day of May	
	Rus - av Signature
WITNESS:	
	·
00000000000000000000000000000000000000	**************************************
2. FULL NAME OF ASSIGNOR: Martin WEBER	RESIDENCE: Meckenheim, Germany
EXECUTED this <u>13</u> day of <u>May</u>	, 201 <u>1</u>
	<u>U. Webe</u> Signature
WITNESS:	

X Checked Box indicates 1 additional page(s) for inventor signatures.

INTERNATIONAL Application No. 13/131,324
Attorney Docket No. 4385-111718

3. FULL NAME OF ASSIGNOR:	RESIDENCE:
Kathrin KELLER	Königswinter, Germany
EXECUTED this <u>13</u> day of <u>hay</u>	, 201 <u>/</u>
	Harling Meller
	SIGNATURE
WITNESS:	
WINESS.	
· ·	
	-
2525222222222222222222222222222	*************
4. FULL NAME OF ASSIGNOR:	
Kathrin TÖLLE	RESIDENCE: Königswinter, Germany
Hamili TODEAS	Ronigswinter, Germany
3.5	
EXECUTED this 25 day of May	, 201 <u>1</u>
v	Katherin Tolle
	SIGNATURE
. IXIXID IDAG	
WITNESS:	
	-
200020000000000000000000000000000000000	
5. FULL NAME OF ASSIGNOR:	RESIDENCE:
Ralf WARRATZ	Bonn, Germany
,	
EXECUTED this 13 day of 1/2x	, 201 /
	J. War
	SIGNATURE
WITNESS:	

Page 3 of 3