

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4221880

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JERIN MILLER	12/14/2016
ROBERT ERIC UBER	12/13/2016
RYAN ALAN SHERRY	12/14/2016
ROBERT KEVIN SEXTON	12/14/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MSA TECHNOLOGY, LLC
<b>Street Address:</b>	1000 CRANBERRY WOODS DRIVE
<b>City:</b>	CRANBERRY TOWNSHIP
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	16066
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15394534
<b>Application Number:</b>	15394566
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)254-8088
<i>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.</i>	
<b>Phone:</b>	4122532610
<b>Email:</b>	hbartony@bartlaw.com
<b>Correspondent Name:</b>	HENRY E. BARTONY, JR.
<b>Address Line 1:</b>	BARTONY & ASSOCIATES LLC
<b>Address Line 2:</b>	P.O. BOX 910
<b>Address Line 4:</b>	BUTLER, PENNSYLVANIA 16003-0910
<b>ATTORNEY DOCKET NUMBER:</b>	15-005.1; 15-005.2
<b>NAME OF SUBMITTER:</b>	HENRY E. BARTONY JR.
<b>SIGNATURE:</b>	/Henry E. Bartony, Jr., Reg. No. 34,772/
<b>DATE SIGNED:</b>	01/12/2017
<b>Total Attachments: 2</b>	

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## **ASSIGNMENT**

WHEREAS, **JERIN MILLER**, a citizen and resident of the United States of America, whose address is 1913 Termon Avenue, Pittsburgh, Pennsylvania 15212, United States of America, **ROBERT ERIC UBER**, a citizen and resident of the United States of America, whose address is 7416 Ben Hur Street, Pittsburgh, Pennsylvania 15208, **RYAN ALAN SHERRY**, a citizen and resident of the United States of America, whose address is 4306 Cross Creek Drive, Cranberry Township, Pennsylvania 16066 United States of America, **ROBERT KEVIN SEXTON**, a citizen and resident of the United States of America, whose address is 302 W Pearl Street, Butler, Pennsylvania 16001 (hereinafter referred to as ASSIGNORS), has invented and owns a certain invention entitled:

### **DETECTION OF BLOCKAGE IN A POROUS MEMBER**

Which is described in a U.S. non-Provisional Patent Application patent application filed on December 29, 2016 under application Serial No. 15/394,534, and in a U.S. non-Provisional Patent Application patent application filed on December 29, 2016 under application Serial No. 15/394,566; and

WHEREAS, **MSA TECHNOLOGY, LLC**, a corporation organized and existing under the laws of the State of Pennsylvania and having a place of business at 1000 Cranberry Woods Drive, Cranberry Township, Pennsylvania 16066 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

This Assignment of Invention is effective as of December 29, 2016. ASSIGNORS hereby authorize the Attorney of record to include in this Assignment, the application numbers and filing dates of the non-provisional patent applications as soon as they become available.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that in consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS hereby sell, assign and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries, said application for Letters Patent, and any and all issued Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, divisional, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to ASSIGNEE.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

ASSIGNORS further covenant that when requested, without charge to, but at the expense of ASSIGNEE, that ASSIGNORS will: 1) promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention(s), said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof; 2) execute, for all countries, all divisions, reissues, reexaminations, continuations, renewals, extensions and all other patent applications on any and all of said invention(s); 3) communicate all facts known to ASSIGNORS relating to said invention(s), said application, said Letters Patent and legal equivalents in foreign countries and the history thereof; 4) testify in all legal proceedings; and 5) generally do everything possible which Assignee, its successors, assigns and representatives shall consider desirable for aiding in securing, maintaining and/or enforcing ASSIGNEE'S rights and patent protection in said invention(s), and for vesting title therein in ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNORS further agree that ASSIGNEE shall have and to hold the interests assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, reexaminations, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment not been made.

IN WITNESS WHEREOF, I / WE have hereunto set hand and seal on dates given below

Date: 12/14/2016

Signature of ASSIGNOR(S)

JERIN MILLER

Date: 12/13/16

Signature of ASSIGNOR(S)

ROBERT ERIC UBER

Date: 12/14/2016

Signature of ASSIGNOR(S)

RYAN ALAN SHERRY

Date: 12/14/2016

Signature of ASSIGNOR(S)

ROBERT KEVIN SEXTON

No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, the notarization or legalization will be *prima facie* evidence of execution. 35 USC 261.