

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TOWNER BENNETT SCHEFFLER	10/05/2012
GREGORY L. MARTIN	10/05/2012
MICHAEL ALVIN BROWN	10/05/2012
<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: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15202367
<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>	11-027C
<b>NAME OF SUBMITTER:</b>	HENRY E. BARTONY, JR.
<b>SIGNATURE:</b>	/Henry E. Bartony, Jr., Reg. No. 34,772/
<b>DATE SIGNED:</b>	07/15/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 4</b>	
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## **ASSIGNMENT**

WHEREAS, **TOWNER BENNETT SCHEFFLER**, a citizen and resident of the United States of America, whose address is 221 Beech Road, Butler, Pennsylvania 16001, United States of America, **GREGORY L. MARTIN**, a citizen and resident of the United States of America, whose address is 128 Grienbrier Drive, Carnegie, Pennsylvania 15106, United States of America, **MICHAEL ALVIN BROWN**, a citizen and resident of the United States of America, whose address is 142 Village Dr., Cranberry Township., Pennsylvania 16066, United States of America (hereinafter referred to as ASSIGNORS), have invented and owns certain invention(s) in:

### **SENSOR INTERROGATION**

which is/are described in a U.S. Provisional patent application filed on September 7, 2012 under application Serial No. 61/698,153, in a U.S. Non-Provisional patent application filed on October 12, 2012 under application Serial No: 13/650,613, and in an International PCT patent application filed on October 12, 2012 under the application No: PCT/US2012/059968, and

WHEREAS, **MINE SAFETY APPLIANCES COMPANY**, 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(s) 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 may be executed by the parties in multiple counterparts, each of which shall be deemed an original.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration paid to the ASSIGNORS by the ASSIGNEE, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention(s) 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(s) 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.

WE hereby authorize and request attorney of record HENRY E. BARTONY, JR., Customer No. 29883, to insert here in parentheses (Application No. 13/650,613), (filed October 12, 2012) the filing date and application number of said US application when known.

WE hereby authorize and request attorney of record HENRY E. BARTONY, JR., Customer No. 29883, to insert here in parentheses (Application No. PCT/US2012/059968), (filed October 12, 2012) the filing date and application number of said PCT application when known.

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.

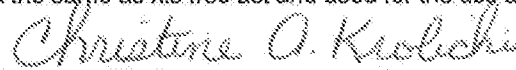
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 5<sup>th</sup> day of October 2012.

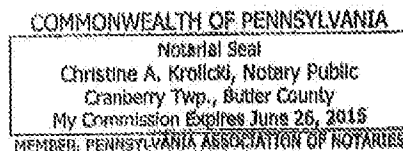
  
TOWNER B. SCHEFFLER

STATE OF Pennsylvania  
COUNTY OF Butler

) ss.  
)

BE IT KNOWN, that on this 5<sup>th</sup> day of October, 2012, before me personally came Towner B. Scheffler, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

  
Notary Public



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.

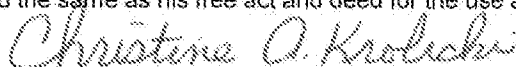
ASSIGNORS further agree that ASSIGNEE shall have and to hold the interests assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, reexaminations, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have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

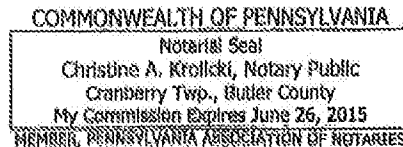
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 5<sup>th</sup> day of October, 2012.

  
GREGORY L. MARTIN

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Butler )

BE IT KNOWN, that on this 5<sup>th</sup> day of October, 2012, before me personally came Gregory L. Martin, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

  
Notary Public



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.

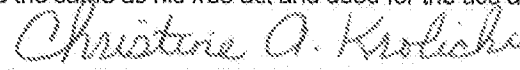
ASSIGNORS further agree that ASSIGNEE shall have and to hold the interests assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, reexaminations, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have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

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 5<sup>th</sup> day of October, 2012.

  
MICHAEL ALVIN BROWN

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Butler )

BE IT KNOWN, that on this 5<sup>th</sup> day of October, 2012, before me personally came Michael Alvin Brown, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

  
Notary Public

