

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Mark L. Cavalier	07/18/2011
Christopher L. Prete	07/15/2011
Michael F. Becker	07/15/2011
Carsten Leuschner	08/10/2011

**RECEIVING PARTY DATA**

<b>Name:</b>	Mine Safety Appliances Company
<b>Street Address:</b>	MSA Corporate Center
<b>Internal Address:</b>	1000 Cranberry Woods Drive
<b>City:</b>	Cranberry Twp.
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	16066

**PROPERTY NUMBERS Total: 3**

Property Type	Number
Application Number:	13174976
Application Number:	61360665
PCT Number:	US1142767

**CORRESPONDENCE DATA**

Fax Number: (412)945-5933  
 Phone: 412-471-8815  
 Email: assignments@webblaw.com  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*  
 Correspondent Name: THE WEBB LAW FIRM, P.C.  
 Address Line 1: ONE GATEWAY CENTER  
 Address Line 2: 420 FT. DUQUESNE BLVD, SUITE 1200  
 Address Line 4: PITTSBURGH, PENNSYLVANIA 15222

**OP \$120.00 13174976**

ATTORNEY DOCKET NUMBER:	2934-111360
NAME OF SUBMITTER:	Nathan J. Prepelka
Total Attachments: 5 source=scannedRecordAssignment#page1.tif source=scannedRecordAssignment#page2.tif source=scannedRecordAssignment#page3.tif source=scannedRecordAssignment#page4.tif source=scannedRecordAssignment#page5.tif	

### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Mark L. Cavaliere  
Christopher L. Prete  
Michael F. Becker  
Carsten Leuschner

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**

Name: Mine Safety Applicances Company

Internal Address: MSA Corporate Center

Street Address: 1000 Cranberry Woods Drive

City: Cranberry Twp.

State: PA

Country: US Zip: 16066

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) July 18, July 15, July 15, Aug 10, 2011

- Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

61/360,665  
13/174,976  
US1142767

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Richard L. Byrne

Internal Address: The Webb Law Firm

Street Address: One Gateway Center  
420 Ft. Duquesne Blvd., Ste 1200

City: Pittsburgh

State: PA Zip: 15222

Phone Number: 412-471-8815

Fax Number: 412-945-5933

Email Address: assignments@webblaw.com

**6. Total number of applications and patents involved:** 3**7. Total fee (37 CFR 1.21(h) & 3.41) \$** 120

- Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers 4775  
Expiration Date 05/2012

b. Deposit Account Number 23-0650

Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

September 20, 2011

Date

Nathan J. Prepelka, Reg. No. 43,016

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

5

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

DOMESTIC  
Application No. PCT/US2011/042767

Attorney Docket No. 2934-111997

**ASSIGNMENT**

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

**INDICATOR ARRANGEMENT, REGULATOR RELEASE BUTTON, AND  
BREATHING APPARATUS**

(Invention Title)

for which a United States Provisional Patent application was filed on 07/01/2010 (mm/dd/yyyy) and bears Application Number 61/360,665 (hereinafter "said application").

AND/OR

for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

for which an application for a United States Patent was filed on 07/01/2011 (mm/dd/yyyy) and bears Application Number 13/174,976 (hereinafter "said application").

AND/OR

for which an international patent application was filed under the Patent Cooperation Treaty on 07/01/2011 (mm/dd/yyyy), bearing Application No. PCT/US2011/042767 (hereinafter "said application").

AND, WHEREAS, Mine Safety Appliances Company, a corporation of the Commonwealth of Pennsylvania, having a place of business at MSA Corporate Center, 1000 Cranberry Woods Drive, Cranberry Township, PA 16066, 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

DOMESTIC  
Application No. PCT/US2011/042767

Attorney Docket No. 2934-111997

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 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:  
Mark L. Cavaliere

RESIDENCE:  
Pittsburgh, PA

EXECUTED this 18<sup>th</sup> day of JULY, 2011

Mark L. Cavaliere  
SIGNATURE

STATE of Pennsylvania)

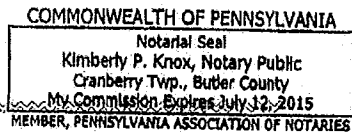
COUNTY of Butler)

On this 18<sup>th</sup> day of July, in the year 2011, before me Kimberly P. Knox,  
DAY MONTH YEAR NOTARY PUBLIC NAME

a notary public, personally appeared Mark L. Cavaliere,  
NAME OF DOCUMENT SIGNER

proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged he/she executed the same. Witness my hand and official seal.

Kimberly P. Knox  
NOTARY PUBLIC



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

Application No. PCT/US2011/042767

Attorney Docket No. 2934-111997

DOMESTIC

2. FULL NAME OF ASSIGNOR: Christopher L. Prete RESIDENCE: Cranberry Township, PA

EXECUTED this 15<sup>th</sup> day of July, 2011

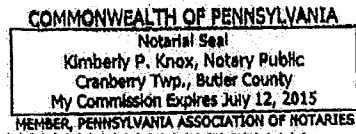
Christopher L. Prete  
SIGNATURE

STATE of Pennsylvania  
COUNTY of Butler

On this 15<sup>th</sup> day of July, in the year 2011, before me Kimberly P. Knox,  
a notary public, personally appeared Christopher L. Prete,  
NAME OF DOCUMENT SIGNER

proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged he/she executed the same. Witness my hand and official seal.

Kimberly P. Knox  
NOTARY PUBLIC



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3. FULL NAME OF ASSIGNOR: Michael F. Becker RESIDENCE: Wexford, PA

EXECUTED this 15<sup>th</sup> day of July, 2011

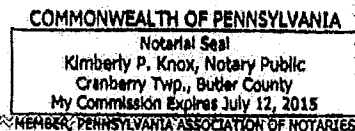
Michael F. Becker  
SIGNATURE

STATE of Pennsylvania  
COUNTY of Butler

On this 15<sup>th</sup> day of July, in the year 2011, before me Kimberly P. Knox,  
a notary public, personally appeared Michael F. Becker,  
NAME OF DOCUMENT SIGNER

proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged he/she executed the same. Witness my hand and official seal.

Kimberly P. Knox  
NOTARY PUBLIC



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DOMESTIC  
Application No. PCT/US2011/042767  
Attorney Docket No. 2934-111997

4. FULL NAME OF ASSIGNOR: Carsten Leuschner RESIDENCE: Berlin, Germany

EXECUTED this 10 day of August, 2011

*Carsten Leuschner*  
SIGNATURE

WITNESS:  
\_\_\_\_\_

