#### 503987667 09/01/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4034324

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

#### **CONVEYING PARTY DATA**

Name	Execution Date
STRATA PRODUCTS WORLDWIDE, LLC	08/08/2014
STRATA PROXIMITY SYSTEMS, LLC	08/08/2014

#### **RECEIVING PARTY DATA**

Name:	THE HUNTINGTON NATIONAL BANK	
Street Address:	201 HIGH STREET	
City:	MORGANTOWN	
State/Country:	WEST VIRGINIA	
Postal Code:	26505	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14840412

#### CORRESPONDENCE DATA

Fax Number: (614)227-2100

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: 6142272026

Email: ipdocket@porterwright.com

**Correspondent Name:** PORTER, WRIGHT, MORRIS & ARTHUR, LLP

Address Line 1: 41 SOUTH HIGH STREET

Address Line 2: SUITES 2800-3200

Address Line 4: COLUMBUS, OHIO 43215

ATTORNEY DOCKET NUMBER:	0266900-198512
NAME OF SUBMITTER:	RICHARD M. MESCHER
SIGNATURE:	/richard m. mescher/
DATE SIGNED:	09/01/2016

#### **Total Attachments: 16**

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**PATENT** REEL: 039613 FRAME: 0237

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SHORT FORM PATENT SECURITY AGREEMENT, dated as of August 8, 2014, by STRATA PRODUCTS WORLDWIDE, LLC, a Delaware limited liability company, STRATA PROXIMITY SYSTEMS, LLC, a Delaware limited liability company (together, the "Borrowers" and separately, a "Borrower"), each of the entities listed on the signature pages hereof as grantors or that becomes a party hereto pursuant to Section 7.10 (Additional Grantors) of the Security Agreement referred to below (each a "Grantor" and, collectively, the "Grantors") in favor of THE HUNTINGTON NATIONAL BANK (in such capacity, together with its successors in such capacity, the "Administrative Agent") for the Secured Parties (as defined in the Security Agreement referred to below).

#### WITNESSETH:

WHEREAS, pursuant to the Credit Agreement of even date herewith (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "<u>Credit Agreement</u>"), among the Borrowers, the Administrative Agent, and the loan parties and institutions from time to time party to the Credit Agreement, certain Secured Parties have agreed to make extensions of credit to the Borrowers upon the terms and subject to the conditions set forth therein; and

WHEREAS, all the Grantors are party to a Security Agreement of even date herewith in favor of the Administrative Agent (the "Security Agreement") pursuant to which the Grantors are required to execute and deliver this Short Form Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Credit Parties and the Administrative Agent to enter into the Credit Agreement and to make their respective extensions of credit to the Borrowers thereunder, each Grantor hereby agrees with the Administrative Agent as follows:

#### Section 1. Defined Terms

Unless otherwise defined herein, terms defined in the Credit Agreement or in the Security Agreement and used herein have the meanings given to them in the Credit Agreement or the Security Agreement.

#### Section 2. Grant of Security Interest in Patent Collateral

Each Grantor, as collateral security for the full, prompt and complete payment and performance when due (whether at stated maturity, by acceleration or otherwise) of the Secured Obligations, hereby collaterally assigns, conveys, mortgages, pledges, hypothecates and transfers to the Administrative Agent for the benefit of the Secured Parties, and grants to the Administrative Agent for the benefit of the Secured Parties a lien on and security interest in, all of its right, title and interest in, to and under the following Collateral of such Grantor (the "Patent Collateral"):

- (a) all of its Patents and Patent Licenses to which it is a party, including, without limitation, (x) the Patents registered in the United States referred to on Schedule I hereto and (y) the portion of the Patent Licenses (for which a Grantor is a licensee) that are Material Intellectual Property referred to on Schedule I hereto;
  - (b) all reissues, continuations or extensions of the foregoing; and

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(c) all Proceeds of the foregoing, including, without limitation, any claim by such Grantor against third parties for past, present or future infringement or dilution of any Patent or any Patent licensed under any Patent License.

#### Section 3. Security Agreement

The security interest granted pursuant to this Short Form Patent Security Agreement is granted in conjunction with the security interest granted to the Administrative Agent pursuant to the Security Agreement and each Grantor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein.

[SIGNATURE PAGES FOLLOW]

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IN WITNESS WHEREOF, each Grantor has caused this Short Form Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours, STRATA PRODUCTS WORLDWIDE, LLC, a Delaware limited liability company Peter Irby, Treasurer, Secretary and Chief Financial Officer STRATA PROXIMITY SYSTEMS, LLC, a Delaware limited liability company Peter Irby, Secretary and Treasurer STRATA WORLDWIDE HOLDINGS, INC., a Delaware corporation By: Jason Reed, Treasurer and Secretary STRATA FOAM PRODUCTS LLC. a Delaware limited liability company By: Strata Products Worldwide, LLC, its sole member By: Peter Irby, Treasurer, Secretary and Chief Financial Officer

Peter Irby, Secretary and Treasurer

STRATA MINE SERVICES, LLC, a Delaware limited liability company

[SIGNATURE PAGE TO SHORT FORM PATENT SECURITY AGREFMENT]

IN WITNESS WHEREOF, each Grantor has caused this Short Form Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours,
STRATA PRODUCTS WORLDWIDE, LLC, a Delaware limited liability company
Ву:
Peter Irby, Treasurer, Secretary and Chief Financial Officer
STRATA PROXIMITY SYSTEMS, LLC, a Delaware limited liability company
By:
Peter Irby, Secretary and Treasurer
STRATA WORLDWIDE HOLDINGS, INC., a Delaware corporation
By: Josen Road
Jason Reed, Treasurer and Secretary
STRATA FOAM PRODUCTS LLC.
a Delaware limited liability company
Ву:
Peter Irby, Treasurer, Secretary and Chief Financial Officer
STRATA MINE SERVICES, LLC,
a Delaware limited liability company
Ву:
Peter Irby, Secretary and Treasurer

[SIGNATURE PAGE TO SHORT FORM PATENT SECURITY AGREEMENT]

STRATA PRODUCTS CHINA, LLC, a Delaware limited liability company

By:

Peter Irby, Secretary and Treasurer

STRATA PRODUCTS (USA), LLC, a Delaware limited liability company

Ву:

Peter Irby, Secretary and Treasurer

STRATA SAFETY PRODUCTS, LLC, a Georgia limited liability company

Bv.

Peter Irby, Secretary and Treasurer

ACCEPTED AND AGREED as of the date first above written:

THE HUNTINGTON NATIONAL BANK,

as the Administrative Agent

Ву:

Chad Prather, Senior Vice President

[SIGNATURE PAGE TO SHORT FORM PATENT SECURITY AGREEMENT]

### ACKNOWLEDGEMENT OF GRANTORS

STATE OF GEORGIA	)	
COUNTY OF FLLTDW	) ss. )	
on the basis of satisfactory evid STRATA PRODUCTS WORL duly sworn did depose and say	ay of August, 2014, before me personally appel dence to be the person who executed the fore LDWIDE, LLC, a Delaware limited liability that he is an authorized representative of so ntity and that he acknowledged said instrum	egoing instrument on behalf of y company, who being by me aid entity, that said instrument
STATE OF GEORGIA  COUNTY OF FULTON	) ) ss. )	OUNTY GENTLE
STRATA PROXIMITY SYST sworn did depose and say that	y of August, 2014, before me personally appelence to be the person who executed the fore EMS, LLC, a Delaware limited liability con he is an authorized representative of said er and that he acknowledged said instrument to N	ngoing instrument on behalf of opening the holds of the h
STATE OF	) ) ss. )	OUNTY. GEOMES OF THE PROPERTY
me on the basis of satisfactory e of STRATA WORLDWIDE He did depose and say that he is ar	y of August, 2014, before me personally approvidence to be the person who executed the foold of the color of	oregoing instrument on behalf who being by me duly sworn at said instrument was signed
	No	otary Public

## ACKNOWLEDGEMENT OF GRANTORS

STATE OF	)
COUNTY OF	) SS.
STRATA PRODUCTS WORLD duly sworn did depose and say to	of August, 2014, before me personally appeared Peter Irby, proved to make to be the person who executed the foregoing instrument on behalf of WIDE, LLC, a Delaware limited liability company, who being by make the is an authorized representative of said entity, that said instrument ty and that he acknowledged said instrument to be the free act and deed
	Notary Public
STATE OF)	
STATE OF	SS.
)	
STRATA PROXIMITY SYSTEM sworn did depose and say that he	f August, 2014, before me personally appeared Peter Irby, proved to me ce to be the person who executed the foregoing instrument on behalf of 1S, LLC, a Delaware limited liability company, who being by me duly is an authorized representative of said entity, that said instrument was d that he acknowledged said instrument to be the free act and deed of
	Notary Public
STATE OF TEXAS )	
STATE OF TEXAS )  COUNTY OF DALLAS )	SS.
On this \( \begin{aligned} \ldots & day o \\ me on the basis of satisfactory evic \\ of STRATA WORLDWIDE HOL \\ did depose and say that he is an air	f August, 2014, before me personally appeared Jason Reed, proved to ence to be the person who executed the foregoing instrument on behalf DINGS, INC., a Delaware corporation, who being by me duly sworn athorized representative of said entity, that said instrument was signed the acknowledged said instrument to be the free act and deed of said
My Commis	RIEMER sion Expires 8. 2017  RIEMER Notary Public

STATE OF GEORGIA  COUNTY OF FULTON	)		
COUNTY OF FULTON	) ss. )		
on the basis of satisfactory evi STRATA FOAM PRODUCTS did depose and say that he is a	dence to be the person who S LLC, a Delaware limited I an authorized representative hat he acknowledged said i	ne personally appeared Peter Irby executed the foregoing instrumer iability company, who being by the of said entity, that said instrumer instrument to be the free act and lotary Public	nt on behalf of me duly sworn ent was signed
STATE OF GLORGIA  COUNTY OF FULTON		oury i done	AULO 20 SAPRES 8-2018 COUNTY. Grand County of the county o
STRATA MINE SERVICES, I did depose and say that he is a	LLC, a Delaware limited liant authorized representative at he acknowledged said in	executed the foregoing instrumentability company, who being by mof said entity, that said instruments to be the free act and Motary Public	nt on behalf of the duly sworn of was signed CALHOUNG
on the basis of satisfactory evid STRATA PRODUCTS CHINA sworn did depose and say that I	ence to be the person who e A, LLC, a Delaware limite he is an authorized represen	e personally appeared Peter Irby, executed the foregoing instrument disability company, who being stative of said entity, that said in said instrument to be the free active.  Notary Public	t on behalf of the by me duly strument was

STATE OF GEORGIA	)	
COUNTY OF FULTIN	)	SS.

On this Standary of August, 2014, before me personally appeared Peter Irby, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of STRATA PRODUCTS (USA), LLC, a Delaware limited liability company, who being by me duly sworn did depose and say that he is an authorized representative of said entity, that said instrument was signed

On this  $\frac{800}{800}$  day of August, 2014, before me personally appeared Peter Irby, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of STRATA SAFETY PRODUCTS, LLC, a Georgia limited liability company, who being by me duly sworn did depose and say that he is an authorized representative of said entity, that said instrument was signed on behalf of said entity and that he acknowledged said instrument to be the free act and deed of said entity.

### SCHEDULE I

TO

### SHORT FORM PATENT SECURITY AGREEMENT

## Patent Registrations

## A. U.S. REGISTERED PATENTS

Title of Patent	Patent Number	Issue Date
Safety System for Mining Equipment	7,420,471	9/2/08
Interactive Magnetic Marker Field for Safety Systems and Complex Proximity Warning System	8,232,888	7/31/12
Electromagnetic Field Adjustment for Proximity Detection	8,169,335	5/1/12
Proximity Detection Systems and Method for Internal Traffic Control	8,552,882	10/8/13
Proximity Warning System with Silent Zones	8,446,277	5/21/13
Non-Directional Magnet Based Proximity Receiver with Multiple Warning and Machine Shutdown Capability	6,810,353	10/26/04
Personal Alarm Device for Headwear for Proximity	8,710,979	4/29/14
Mine Roof Support Crib Having Only Two or Three Planes, and Method	6,352,392	3/5/02
Positioning Cradle for Mine Roof Supports	6,612,803	9/2/03
Mine Support Cribs	5,746,547	5/5/98
Apparatus, System and Method for Cleaning Air	8,506,681 B2	8/13/13
Modular Shelter and Method	8,695,285	4/15/14

### B. U.S. PATENT APPLICATIONS

Title of Patent	Application Number	Filing Date
Proximity Detection System	13/538,156	6/29/12
Proximity Detection Systems and	14/032,752	9/20/13
Method for Internal Traffic		
Control		

Title of Patent	Application Number	Filing Date
Proximity Warning System with Silent Zones	13/897,860	5/20/13
Proximity Detection System With Concurrent RF and Magnetic Fields	13/568,674	8/7/12
Integrated Alarm Device	14/024,661	9/12/13
METHOD AND APPARATUS FOR PROTECTING A MINER	14/325,028	7/7/14
GAS MONITOR, SYSTEM AND METHOD	61/887,768	10/7/13
Lite Mine Roof Support Crib and Method	13/065,152	3/15/11
Yieldable Support Prop and Method	13/317,720	10/26/11
Apparatus, System and Method for Cleaning Air	13/959,497	8/5/13
Air Conditioner for Refuge Shelter, System and Method	13/900,236	5/22/13
Refuge Chamber and Method	13/460,252	4/30/12
Method, Controller and System for Tunnel Communication	13/743,947	1/17/13
Refuge Shelter, Coupling and Method	14/242,502	4/1/14
Change Over Station and Method	14/276,699	5/13/14
Mine WiFi and Method	14/290,755	5/29/14
C-Channel Panel, Overcast, Stopping And Method	13/861,054	4/11/13
Mine Escape Self-Rescuer System And Method	14/242,362	4/1/14

## C. U.S. PATENT LICENSES

Title of Patent	Patent Number	Patent Holder
Delivery System for	6,699,309	Battelle Memorial Institute
Carbon Dioxide		
Absorption Material		
Seismic Communication	7,843,768	VMI Foundation, Inc.
Device		
Mine Ventilation Structure	5,879,231	Frank Sisk
Steel Anchored	8,485,873	Frank Sisk
Reinforced Mine Seal		
Inflatable shelter for Use	7,941,974	Zumro, Inc. and
in Hostile Environment		ChemBioShelter, Inc.

COLUMBUS/1731978v 1

Supplemental Schedule

### SCHEDULE I

### TO

### SHORT FORM PATENT SECURITY AGREEMENT

## Patent Registrations

## A. U.S. REGISTERED PATENTS

<u>Grantor</u>	Title of Patent	Patent Number	<u>Issue Date</u>
Strata Proximity	Safety System for Mining	7,420,471	9/2/08
Systems, LLC	Equipment		
Strata Proximity	Interactive Magnetic	8,232,888	7/31/12
Systems, LLC	Marker Field for Safety		
	Systems and Complex		
	Proximity Warning System		
Strata Proximity	Electromagnetic Field	8,169,335	5/1/12
Systems, LLC	Adjustment for Proximity		
	Detection		
Strata Proximity	Proximity Detection	8,552,882	10/8/13
Systems, LLC	Systems and Method for		
	Internal Traffic Control		
Strata Proximity	Proximity Warning System	8,446,277	5/21/13
Systems, LLC	with Silent Zones		
Strata Proximity	Non-Directional Magnet	6,810,353	10/26/04
Systems, LLC	Based Proximity Receiver		
	with Multiple Warning and		
	Machine Shutdown		
	Capability		
Strata Proximity	Personal Alarm Device for	8,710,979	4/29/14
Systems, LLC	Headwear for Proximity		
Strata Products	Mine Roof Support Crib	6,352,392	3/5/02
Worldwide, LLC	Having Only Two or Three		
	Planes, and Method		
Strata Products	Positioning Cradle for	6,612,803	9/2/03
Worldwide, LLC	Mine Roof Supports		
Strata Products	Mine Support Cribs	5,746,547	5/5/98
Worldwide, LLC			
Strata Products	Apparatus, System and	8,506,681 B2	8/13/13
Worldwide, LLC	Method for Cleaning Air		
Strata Products	Modular Shelter and	8,695,285	4/15/14
Worldwide, LLC	Method		
Strata Products	Refuge Chamber and	8,794,711	8/5/14
Worldwide, LLC	Method		

## B. U.S. PATENT APPLICATIONS

<u>Grantor</u>	Title of Patent	Application Number	Filing Date
Strata Proximity	Proximity Detection	13/538,156	6/29/12
Systems, LLC	System		
Strata Proximity	Proximity Detection	14/032,752	9/20/13
Systems, LLC	Systems and Method for		
-	Internal Traffic Control		
Strata Proximity	Proximity Warning	13/897,860	5/20/13
Systems, LLC	System with Silent Zones		
Strata Proximity	Proximity Detection	13/568,674	8/7/12
Systems, LLC	System With Concurrent		
•	RF and Magnetic Fields		
Strata Proximity	Integrated Alarm Device	14/024,661	9/12/13
Systems, LLC			
Strata Products	METHOD AND	14/325,028	7/7/14
Worldwide, LLC	APPARATUS FOR		
	PROTECTING A MINER		
Strata Products	GAS MONITOR,	61/887,768	10/7/13
Worldwide, LLC	SYSTEM AND METHOD		
Strata Products	Lite Mine Roof Support	13/065,152	3/15/11
Worldwide, LLC	Crib and Method		
Strata Products	Yieldable Support Prop	13/317,720	10/26/11
Worldwide, LLC	and Method		
Strata Products	Apparatus, System and	13/959,497	8/5/13
Worldwide, LLC	Method for Cleaning Air		
Strata Products	Air Conditioner for	13/900,236	5/22/13
Worldwide, LLC	Refuge Shelter, System		
	and Method		
Strata Products	Method, Controller and	13/743,947	1/17/13
Worldwide, LLC	System for Tunnel		
	Communication		
Strata Products	Refuge Shelter, Coupling	14/242,502	4/1/14
Worldwide, LLC	and Method		
Strata Products	Change Over Station and	14/276,699	5/13/14
Worldwide, LLC	Method		
Strata Products	Mine WiFi and Method	14/290,755	5/29/14
Worldwide, LLC			
Strata Products	C-Channel Panel,	13/861,054	4/11/13
Worldwide, LLC	Overcast, Stopping And		
	Method		
		1.4/0.40.370	A/1/14
Strata Products	Mine Escape Self-Rescuer	14/242,362	4/1/14
Worldwide, LLC	System And Method		

# C. U.S. PATENT LICENSES

**RECORDED: 09/01/2016** 

Grantor	Title of Patent	Patent Number	Patent Holder
Strata Products	Delivery System for	6,699,309	Battelle Memorial
Worldwide, LLC	Carbon Dioxide		Institute
	Absorption Material		
Strata Products	Seismic Communication	7,843,768	VMI Foundation, Inc.
Worldwide, LLC	Device		
Strata Mine Services,	Mine Ventilation	5,879,231	Frank Sisk
LLC	Structure		
Strata Mine Services,	Steel Anchored	8,485,873	Frank Sisk
LLC	Reinforced Mine Seal		
Strata Products	Inflatable shelter for Use	7,941,974	Zumro, Inc. and
Worldwide, LLC and	in Hostile Environment		ChemBioShelter, Inc.
Strata Safety Products,			
LLC			