

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL L. O'NEILL	11/03/2011
RECEIVING PARTY DATA	
Name:	JOY MM DELAWARE, INC.
Street Address:	2751 CENTERVILLE ROAD
Internal Address:	SUITE 342
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19808
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14088144
CORRESPONDENCE DATA	
Fax Number:	(414)277-0656
Phone:	414-271-6560
Email:	mkeipdocket@michaelbest.com
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>	
Correspondent Name:	MICHAEL BEST & FRIEDRICH LLP (MKE)
Address Line 1:	100 E WISCONSIN AVENUE
Address Line 2:	SUITE 3300
Address Line 4:	MILWAUKEE, WISCONSIN 53202
ATTORNEY DOCKET NUMBER:	051077-9181-US02
NAME OF SUBMITTER:	MOLLY S. LAWSON
Signature:	/molly s. lawson/
Date:	11/22/2013
Total Attachments: 2 source=14141607_051077-9181-US02_Executed_assignment_-_as_filed#page1.tif source=14141607_051077-9181-US02_Executed_assignment_-_as_filed#page2.tif	

CH \$40.00 14088144

ASSIGNMENT

Pursuant to my obligation to Joy MM Delaware, Inc. (hereinafter referred to as "Assignee"), a Delaware corporation having its principal place of business at:

2751 Centerville Road
Suite 342
Wilmington, DE 19808

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, I:

Michael L. O'Neill
25702 Route 66
Lucinda, PA 16235

confirm my obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, my entire right, title and interest -

(1) in and to inventions described in a patent application titled "SLOW TURNING DRUM FOR A MINER" for which I filed United States Patent Application No. 13/293,631, (Atty. File No. 051077-9181-US01) (hereinafter the "U.S. utility patent application") which application claims the benefit of United States Provisional Patent Application No. 61/541,700, filed September 30, 2011 (hereinafter the "U.S. provisional patent application") (Atty. File No. 051077-9181-US00);

(2) in and to the U.S. utility patent application, and the U.S. provisional patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, 35 U.S.C. §111(b) provisional, 35 U.S.C. §111(a), and reissue applications) based upon said inventions, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) under the International Convention in respect to the U.S. utility patent application and the U.S. provisional patent application, and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of my Assignee with a claim to priority based on the U.S. utility patent application and the U.S. provisional patent application.

I hereby authorize the assignee or attorney of record to insert in the appropriate place in this document the application number of my application after execution of this Assignment. I hereby agree that I will, upon demand of Assignee, its successors or assigns, and without further consideration to me, execute any and all papers that may be necessary, or deemed by

Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by me.

The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

3 NOVEMBER 2011

Date

Michael L. O'Neill

Michael L. O'Neill