504936020 05/30/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID RESTUM	05/08/2018
WESLEY TAYLOR	05/08/2018

RECEIVING PARTY DATA

Name:	JOY GLOBAL SURFACE MINING INC	
Street Address:	4400 W. NATIONAL AVENUE	
City:	MILWAUKEE	
State/Country:	WISCONSIN	
Postal Code:	53214	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15992528

CORRESPONDENCE DATA

Fax Number: (414)277-0656

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Correspondent Name: MICHAEL BEST & FRIEDRICH LLP (MKE)

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ATTORNEY DOCKET NUMBER: 043020-9284-US02	
NAME OF SUBMITTER:	MOLLY S. LAWSON
SIGNATURE:	/msl/
DATE SIGNED:	05/30/2018

Total Attachments: 3

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PATENT 504936020 REEL: 045933 FRAME: 0728

ASSIGNMENT

Pursuant to our obligation to Joy Global Surface Mining Inc (hereinafter referred to as "Assignee"), a Delaware corporation having its principal place of business at:

4400 W. National Avenue Milwaukee, WI 53214

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

David Restum 2310 N. Oakland Avenue, Apt. 210 Milwaukee, WI 53211

Wesley Taylor 6541 N. Braeburn Lane Glendale, WI 53209

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

- (1) in and to inventions described in a patent application titled "PREDICTIVE REPLACEMENT FOR HEAVY MACHINERY" for which we filed United States Patent Application No. 15/992,528, (Atty. File No. 043020-9284-US02) (hereinafter the "U.S. utility patent application") which application claims the benefit of United States Provisional Patent Application No. 62/512,593, filed May 30, 2017 (hereinafter the "U.S. provisional patent application") (Atty. File No. 043020-9284-US01);
- (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 our Assignee with a claim to priority based on the U.S. utility patent application and the U.S. provisional patent application.

PATENT REEL: 045933 FRAME: 0729

We hereby authorize the assignee or attorney of record to insert in the appropriate place in this document the application number of our application after execution of this Assignment. We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, 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 us.

The Commissioner of Patents and Trademarks of the United States is hereby authorized

and requested to issue said patent or patents	to Assignee.
5/8/2018	
Date	David Restum
State of)	
County of MILLO AUXER)	
	ally known to me to be the same person or , appeared before me this day and acknowledged I as the free and voluntary act of David Restum,
Given under my hand and seal, t	this day of20
en e	Nieton Cublin
	Notary Public

Expiration Date _____

5/8/18	Winter Land	11000
Date	Wesley Taylor	
State of <u>()/560745</u>)		
County of		
I do hereby certify that Wesley Taylor, person persons who signed the foregoing instrument that said instrument was signed and delivered for the uses and purposes therein set forth.	, appeared before me this day and a	cknowledged
Given under my hand and seal,	thisday of	20
	Notary Public	
	Expiration Date	