

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6999954

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	PAUL RYAN	03/29/2021
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	JOY GLOBAL SURFACE MINING INC	
<b>Street Address:</b>	4400 W NATIONAL AVENUE	
<b>City:</b>	MILWAUKEE	
<b>State/Country:</b>	WISCONSIN	
<b>Postal Code:</b>	53214	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	17216152	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(414)277-0656	
<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>	4142716560	
<b>Email:</b>	mkeipdocket@michaelbest.com	
<b>Correspondent Name:</b>	MICHAEL BEST & FRIEDRICH LLP	
<b>Address Line 1:</b>	790 N WATER STREET	
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<b>ATTORNEY DOCKET NUMBER:</b>	043020-9315-US01	
<b>NAME OF SUBMITTER:</b>	TANYA PARENT	
<b>SIGNATURE:</b>	/tanya parent/	
<b>DATE SIGNED:</b>	11/01/2021	
<b>Total Attachments: 2</b>		
source=043020-9315-US01 Executed Assignment - as filed#page1.tif		
source=043020-9315-US01 Executed Assignment - as filed#page2.tif		

## 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:

Paul Ryan  
613 Oldfield Avenue  
Mukwonago, WI 53149

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 "SYSTEM AND METHOD FOR ESTIMATING A PAYLOAD OF AN INDUSTRIAL MACHINE" for which we filed United States Patent Application No. 17/216,152, (Atty. File No. 043020-9315-US01) (hereinafter the "U.S. utility patent application");

(2) in and to the U.S. utility 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;

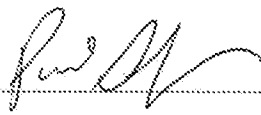
(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) under the International Convention in respect to the U.S. utility patent application and 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.

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.

3/29/2021  
Date

  
Paul Ryan