

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT8350720

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PETER A. LUGG	11/12/2023
RECEIVING PARTY DATA	
Name:	JOY GLOBAL UNDERGROUND MINING LLC
Street Address:	40 PENNWOOD PLACE
Internal Address:	SUITE 100
City:	WARRENDALE
State/Country:	PENNSYLVANIA
Postal Code:	15086
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	15712428
Application Number:	62398744
CORRESPONDENCE DATA	
Fax Number:	(414)223-5000
<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>	
Phone:	4142732100
Email:	IP-Komatsu@huschblackwell.com
Correspondent Name:	HUSCH BLACKWELL LLP
Address Line 1:	511 N. BROADWAY, SUITE 1100
Address Line 4:	MILWAUKEE, WISCONSIN 53202
ATTORNEY DOCKET NUMBER:	559026-9676011-012
NAME OF SUBMITTER:	TANYA PARENT
SIGNATURE:	/tanyaparent/
DATE SIGNED:	12/27/2023
Total Attachments: 1	
source=559026-9676012 Executed Assignment as filed#page1.tif	

ASSIGNMENT

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

40 Pennwood Place
Suite 100
Warrendale, Pennsylvania 15086

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

Peter A. Lugg
4 Bunowen St.
Ferry Grove, Queensland 4055
Australia

Geoffrey W. Keech
15 Genevieve Court
Wellington Point, Queensland 4160
Australia

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 "ROCK CUTTING DEVICE" for which we filed United States Patent Application No. 15/712,428 (Atty. File No. 051077-9676-US01) (hereinafter the "U.S. utility patent application") which application claims the benefit of United States Provisional Patent Application No. 62/398,744, filed September 23, 2016 (hereinafter the "U.S. provisional patent application") (Atty. File No. 051077-9676-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

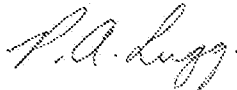
(4) under the International Convention in respect to the U.S. utility patent application and the U.S. provisional patent application, and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of our Assignee with a claim to priority based on either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

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.

Date Peter A. Lugg

12TH NOVEMBER 2023



Date Geoffrey W. Keech