507595848 11/14/2022

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER L. DRENTH	03/01/2017
ANTHONY LACHANCE	03/06/2017

RECEIVING PARTY DATA

Name:	LONGYEAR TM, INC.
Street Address:	2455 SOUTH 3600 WEST
City:	SALT LAKE CITY
State/Country:	UTAH
Postal Code:	84119

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17166268

CORRESPONDENCE DATA

Fax Number: (678)420-9301

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: 6784209300

Email:delees@ballardspahr.comCorrespondent Name:BALLARD SPAHR LLPAddress Line 1:999 PEACHTREE STREET

Address Line 2: SUITE 1600

Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	36362.0183U3
NAME OF SUBMITTER:	BENJAMIN D. KIRK
SIGNATURE:	/BENJAMIN D. KIRK #74,848/
DATE SIGNED:	11/14/2022

Total Attachments: 3

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PATENT 507595848 REEL: 061755 FRAME: 0107

ASSIGNMENT

WHEREAS, we, CHRISTOPHER L. DRENTH, residing at 2311 Hoover Court,
Burlington, Ontario, Canada L7P-4V2, and ANTHONY LACHANCE, residing at 200 Cultum
Court, Burlington, Ontario, Canada L7T 4A9, have invented new and useful improvements in
"REVERSE-CIRCULATION DRILLING ASSEMBLIES AND METHODS OF USING
SAME," for which a United States Provisional Patent Application was filed on February 17,
2017, and assigned Application No. 62/460,433; and

WHEREAS, BLY IP INC., a Utah corporation, whose principal address is 2640 W 1700 S, Salt Lake City, Utah 84104, is desirous of acquiring the entire interest in the same;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, CHRISTOPHER L. DRENTH and ANTHONY LACHANCE, hereby do sell, assign and transfer unto said BLY IP INC. the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the Paris Convention arising from said application; the same for BLY IP INC.'s legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and sale not been made;

AND, we hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be

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made and generally do everything possible to aid BLY IP INC., its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world.

IN WITNESS WHEREOF, I h	ave executed this Assignment this day of
	GUPASTA PATENTI (L.S.)
WITNESS:	
On this day of	, 2017, I witnessed Christopher L. Drenth e xecute the
JEFE HOGAN	
Witness Printed Name	
Witness Signature	

ATTORNEY DOCKET NO. 36362.0183U1 PAGE 3 of 3

IN WITNESS WHEREOF, I	have executed this Assignment this	4k day of
<u>March</u> , 2017.		
	14,24	(L.S.)
	ANTHONY LACHANCE	
WITNESS:		
On this day of/orch_ foregoing assignment.	, 2017, I witnessed Anthony LaCh	ance execute the
Jerr Hosan		
Witness Printed Name		
Witness Signature		

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PATENT REEL: 061755 FRAME: 0110

RECORDED: 11/14/2022