

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6246164

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST - TERM LOAN A
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LONGYEAR TM, INC.	08/11/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WILMINGTON TRUST, NATIONAL ASSOCIATION, AS COLLATERAL AGENT
<b>Street Address:</b>	1100 N. MARKET ST.
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19890
<b>PROPERTY NUMBERS Total: 4</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	10626684
<b>Patent Number:</b>	10633943
<b>Patent Number:</b>	10702975
<b>Application Number:</b>	16899236
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	7043778156
<b>Email:</b>	jcarusone@robinsonbradshaw.com
<b>Correspondent Name:</b>	JENNIFER CARUSONE
<b>Address Line 1:</b>	101 N. TRYON ST., SUITE 1900
<b>Address Line 4:</b>	CHARLOTTE, NORTH CAROLINA 28246
<b>ATTORNEY DOCKET NUMBER:</b>	19133.00050
<b>NAME OF SUBMITTER:</b>	JENNIFER CARUSONE
<b>SIGNATURE:</b>	/Jennifer Carusone/
<b>DATE SIGNED:</b>	08/12/2020
<b>Total Attachments: 5</b>	
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## Patent Security Agreement

Patent Security Agreement, dated as of August 11, 2020, by Longyear TM, Inc. (the "Grantor"), in favor of Wilmington Trust, National Association, in its capacity as collateral agent pursuant to the Term Loan A Securities Agreement (in such capacity, the "Collateral Agent").

### W I T N E S S E T H:

WHEREAS, the Grantor is party to a U.S. Security and Pledge Agreement dated December 31, 2018 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "Security Agreement") in favor of the Collateral Agent pursuant to which the Grantor is required to execute and deliver this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Collateral Agent, for the benefit of the Secured Parties, to enter into the Term Loan A Securities Agreement, the Grantor hereby agrees with the Collateral Agent as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. Grant of Security Interest in Patent Collateral. The Grantor hereby pledges and grants to the Collateral Agent for the benefit of the Secured Parties a lien on and security interest in and to all of its right, title and interest in, to and under all the following Collateral of such Grantor (other than Excluded Assets):

- (a) Patents of such Grantor listed on Schedule I attached hereto; and
- (b) all Proceeds of any and all of the foregoing.

SECTION 3. Security Agreement. The security interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interest granted to the Collateral Agent pursuant to the Security Agreement and Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the security interest in the Patents made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Patent Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control unless the Collateral Agent shall otherwise determine.

SECTION 4. Counterparts. This Patent Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Patent Security Agreement by signing and delivering one or more counterparts.

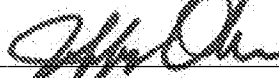
SECTION 5. Subject to Intercreditor Agreements. Notwithstanding anything herein to the contrary, the liens and security interests granted to Wilmington Trust, National

Association, as Collateral Agent, pursuant to this Patent Security Agreement and the exercise of any right or remedy by Wilmington Trust, National Association, as Collateral Agent hereunder, are subject to the provisions of the Intercreditor Agreements (as defined in the Security Agreement). In the event of any conflict between the terms of any Intercreditor Agreement and the terms of this Agreement, the terms of such Intercreditor Agreement shall govern and control.

[signature page follows]

IN WITNESS WHEREOF, the Grantor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

**LONGYEAR TM, INC.**

By:   
Name: Jeffrey Olsen  
Title: Secretary

## Schedule I

### Patents

Patent No.	Patent Application No.	Country	Title	Owner	Filing Date	Issue Date
10,626,684	16/151,871	U.S.	Handling and Recovery Devices For Tubular Members an Associated Methods	Longyear TM, Inc.	October 4, 2018	April 21, 2020
10,633,943	16/035,776	U.S.	Braking Devices For Drilling Operations, and Systems and Methods For Using Same	Longyear TM, Inc.	July 16, 2018	April 28, 2020
10,702,975	14/993,550	U.S.	Drilling Tools Having Matrices With Carbide-Forming Alloys, And Methods Of Making And Using Same	Longyear TM, Inc.	January 12, 2016	July 7, 2020

### Patent Applications

Patent Application No.	Country	Title	Owner	Filing Date
16/899,236	US	Drilling Tools Having Matrices With Carbide-Forming Alloys and Methods of Making and Using Same	Longyear TM, Inc.	June 11, 2020

**Provisional Applications**

None.

**PCT Applications**

None.