

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5522686

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
LONGYEAR TM, INC.	05/14/2019
RECEIVING PARTY DATA	
Name:	WILMINGTON TRUST, NATIONAL ASSOCIATION, AS COLLATERAL AGENT
Street Address:	1100 N. MARKET ST.
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19890
PROPERTY NUMBERS Total: 7	
Property Type	Number
Patent Number:	10047581
Patent Number:	10053973
Patent Number:	10077609
Patent Number:	10087699
Patent Number:	10119344
Application Number:	16035776
Application Number:	16151871
CORRESPONDENCE DATA	
Fax Number:	
<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:	7043778156
Email:	jcarusone@robinsonbradshaw.com
Correspondent Name:	JENNIFER CARUSONE
Address Line 1:	101 N. TRYON ST., SUITE 1900
Address Line 2:	ROBINSON, BRADSHAW & HINSON, P.A.
Address Line 4:	CHARLOTTE, NORTH CAROLINA 28246
ATTORNEY DOCKET NUMBER:	19133.00052
NAME OF SUBMITTER:	JENNIFER CARUSONE
SIGNATURE:	/Jennifer Carusone/

DATE SIGNED:	05/14/2019
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Total Attachments: 4

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Patent Security Agreement

Patent Security Agreement, dated as of May 14, 2019 by Longyear TM, Inc. (the “Grantor”), in favor of Wilmington Trust, National Association, in its capacity as collateral agent pursuant to the Term Loan 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 as of September 1, 2017 (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 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 the 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 the 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 (i) the Intercreditor Agreement, dated as of September 27, 2013 (as amended, restated, supplemented or otherwise modified from time to time, the “Notes Intercreditor Agreement”), among Bank of America, N.A, as collateral agent under the existing credit agreement and U.S. Bank National Association, as

collateral agent under that certain Indenture, dated as of September 18, 2013 among the Obligors and U.S. Bank National Association, as trustee and as collateral agent, as amended, restated, supplemented or modified from time to time, including (a) via joinder by the Agent in connection with each of the term loan A securities agreement dated as of October 22, 2014 by and among the Obligors, the purchasers party thereto, and Wilmington Trust, National Association, as agent thereunder, as amended through the date hereof, including pursuant to that certain fourth amendment to the Existing Term Loan A Securities Agreement and that certain fifth amendment to the Existing Term Loan A Securities Agreement, each dated as of on or about the Credit Extension Date, and as further amended, restated or otherwise modified from time to time (the “Existing Term Loan A Securities Agreement”) and the term loan securities agreement, dated as of October 22, 2014 by and among the Obligors, the purchasers party thereto, and Wilmington Trust, National Association, as agent thereunder, as amended through the date hereof, including pursuant to that certain fourth amendment to the Term Loan B Securities Agreement and that certain fifth amendment to the Term Loan B Securities Agreement, each dated as of on or about the Credit Extension Date, and as further amended, restated or otherwise modified from time to time (the “Existing Term Loan B Securities Agreement”), (b) via joinder by PNC Bank, National Association, as administrative agent under that certain revolving credit and security agreement dated as of May 29, 2015 by and among the Obligors, the financial institutions party thereto and PNC Bank, National Association, as the same may be amended, amended and restated, replaced and restated, extended, supplemented and/or otherwise modified from time to time (the “Revolving Credit and Security Agreement”) and (c) via joinder by the Agent in connection with the Term Loan Securities Agreement, (ii) the Second Amended and Restated Intercreditor Agreement, amended and restated as of the date hereof and originally dated as of May 29, 2015 and previously amended and restated as of April 2, 2017 (as further amended, restated, supplemented or otherwise modified from time to time, the “ABL Intercreditor Agreement” and, together with the Notes Intercreditor Agreement, the “Intercreditor Agreements”), among PNC Bank National Association, as administrative agent under the Revolving Credit and Security Agreement, Wilmington Trust, National Association, as the agent under the Existing Term Loan A Securities Agreement and the Agent in connection with the Term Loan Securities Agreement, and (iii) the Amended and Restated Senior / Junior Term Loan Intercreditor Agreement, amended and restated as of the date hereof and originally dated as of April 2, 2017 (as further amended, restated, supplemented or otherwise modified from time to time, the “Senior / Junior Term Loan Intercreditor Agreement”), among Wilmington Trust, National Association, as the agent under the Existing Term Loan A Securities Agreement and the Agent in connection with the Term Loan Securities Agreement. In the event of any conflict between the terms of the Intercreditor Agreements and the terms of this Agreement, the terms of the applicable Intercreditor Agreement shall govern and control.

[signature page follows]

IN WITNESS WHEREOF, each 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.

GRANTOR:

LONGYEAR TM, INC.

By: 
Name: Jeffrey Olsen
Title: Secretary

Schedule 1

Issued Patents

<u>Patent No.</u>	<u>Country</u>	<u>Title</u>	<u>Owner</u>	<u>Issue Date</u>
10047581	U.S.	CORE BARREL HEAD ASSEMBLY WITH AN INTEGRATED SAMPLE ORIENTATION TOOL AND SYSTEM FOR USING SAME	Longyear TM, Inc.	14-Aug-18
10053973	U.S.	BRAKING DEVICES FOR DRILLING OPERATIONS, AND SYSTEMS AND METHODS OF USING SAME	Longyear TM, Inc.	21-Aug-18
10077609	U.S.	DRILL BITS HAVING FLUSHING	Longyear TM, Inc.	18-Sept-18
10087699	U.S.	DIVERTER ASSEMBLIES AND SYSTEMS FOR FORMING SEALS AROUND PIPE ELEMENTS AND METHODS OF USING SAME	Longyear TM, Inc.	20-Oct-18
10119344	U.S.	HANDLING AND RECOVERY DEVICES FOR TUBULAR MEMBERS AND ASSOCIATED METHODS	Longyear TM, Inc.	06-Nov-18

Patent Applications

<u>Serial No.</u>	<u>Country</u>	<u>Title</u>	<u>Owner</u>	<u>Application Filing Date</u>
16/035,776	U.S.	BRAKING DEVICES FOR DRILLING OPERATIONS, AND SYSTEMS AND METHODS OF USING SAME	Longyear TM, Inc.	16-Jul-18
16/151,871	U.S.	HANDLING AND RECOVERY DEVICES FOR TUBULAR MEMBERS AND ASSOCIATED METHODS	Longyear TM, Inc.	07-Oct-18

Provisional Patent Applications

None.

PCT Patent Applications

None.