

# PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Cody A. Pearce	10/17/2011
Michael D. Rupp	10/17/2011
Christian M. Lambert	10/17/2011
Nathan Carlson	10/17/2011
Joseph F. Moody	10/17/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Longyear TM, Inc.
<b>Street Address:</b>	10808 South River Front Parkway
<b>Internal Address:</b>	Suite 600
<b>City:</b>	South Jordan
<b>State/Country:</b>	UTAH
<b>Postal Code:</b>	84095
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13276080
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(801)328-1707
<b>Phone:</b>	8015339800
<b>Email:</b>	nbarrigar@wnlaw.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	Workman Nydegger
<b>Address Line 1:</b>	60 E South Temple
<b>Address Line 2:</b>	1000 Eagle Gate Tower
<b>Address Line 4:</b>	Salt Lake City, UTAH 84111
<b>ATTORNEY DOCKET NUMBER:</b>	17443.502.1

OP \$40.00 13276080

**501697494**

**PATENT**  
**REEL: 027094 FRAME: 0494**

NAME OF SUBMITTER:

Peter F. Malen Jr.

Total Attachments: 6

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WHEN RECORDED RETURN TO:

UNITED STATES PATENT APPLICATION

Docket No: 17443.502.1

Workman Nydegger  
1000 Eagle Gate Tower  
60 East South Temple  
Salt Lake City, Utah 84111

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A S S I G N M E N T

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We the undersigned, hereinafter collectively referred to as "Assignor", have made an invention entitled USE OF RESONANT MIXING TO PRODUCE IMPREGNATED BITS. Preferred embodiments of said invention are disclosed in a United States provisional patent application which:

☐ is executed concurrently herewith for filing in the United States Patent and Trademark Office and has been assigned Application Serial No \_\_\_\_\_, with a filing date of \_\_\_\_\_.

☒ was previously filed in the United States Patent and Trademark Office on October 18, 2011, as Application Serial No. 13/276,080.

(The attorneys of Workman Nydegger are hereby authorized to insert the serial number and filing date when known.)

The Assignee, Longyear TM, Inc. a corporation of the state of Delaware, having a principal place of business at 10808 South River Front Parkway, Suite 600, South Jordan, Utah 84095, desires to secure the entire right, title and interest in said invention and the provisional patent application filed thereon.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to Assignor by the Assignee, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR HEREBY ASSIGNS TO THE ASSIGNEE:

The entire right, title and interest in the above-identified U.S. patent application and in said invention of the above-identified U.S. patent application and in all divisions, continuations and continuations-in-part of said patent application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding patent applications which may be filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as

the same would have been held and enjoyed by ASSIGNOR had this assignment, transfer, and sale not been made; and

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

Assignor hereby authorizes and requests the United States Commissioner for Patents, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

Assignor hereby agrees, without further consideration and without expense to Assignee, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of Assignor to make this Assignment fully effective, including, by way of example but not of limitation, the following:

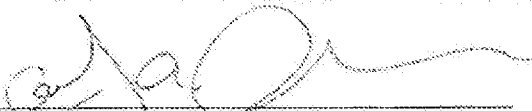
Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of the Assignor's ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

**Inventor 1**

<u>Cody</u>	<u>A.</u>	<u>Pearce</u>
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)

Inventor's signature  Date Oct 17, 2011

PROVISIONAL PATENT APPLICATION

Docket No: 17443.502.1

Inventor 2

<u>Michael</u>	<u>D.</u>	<u>Rupp</u>
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)

Inventor's signature Michael D Rupp Date Oct 17, 2011

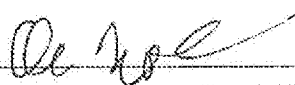
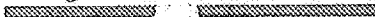


PROVISIONAL PATENT APPLICATION

Docket No: 17443.502.1

**Inventor 3**

Christian                      M.                      Lambert  
(GIVEN NAME)                      (MIDDLE INITIAL OR NAME)                      FAMILY (OR LAST NAME)

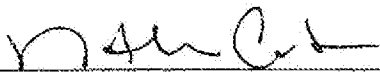
Inventor's signature                       Date 10/27, 2011  


PROVISIONAL PATENT APPLICATION

Docket No: 17443.502.1

Inventor 4

<u>Nathan</u>	<u></u>	<u>Carlson</u>
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)

Inventor's signature  Date Oct 17, 2011

PROVISIONAL PATENT APPLICATION

Docket No: 17443.502.1

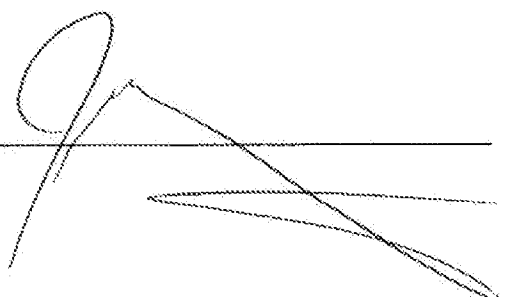
**Inventor 5**

Joseph  
(GIVEN NAME)

F.  
(MIDDLE INITIAL OR NAME)

Moody  
FAMILY (OR LAST NAME)

Inventor's signature

A handwritten signature in dark ink, appearing to read 'Joseph F. Moody', written over a horizontal line.

Date Oct. 17, 2011