

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jing James Yao</td> <td>06/17/2005</td> </tr> <tr> <td>Robert Eugene Able</td> <td>06/17/2005</td> </tr> <tr> <td>Louis E. Silay</td> <td>06/17/2005</td> </tr> </tbody> </table>		Name	Execution Date	Jing James Yao	06/17/2005	Robert Eugene Able	06/17/2005	Louis E. Silay	06/17/2005
Name	Execution Date								
Jing James Yao	06/17/2005								
Robert Eugene Able	06/17/2005								
Louis E. Silay	06/17/2005								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	Longyear TM, Inc								
<b>Street Address:</b>	2640 West 1700 South								
<b>City:</b>	Salt Lake City								
<b>State/Country:</b>	UTAH								
<b>Postal Code:</b>	84104-4240								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12242047</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12242047				
Property Type	Number								
Application Number:	12242047								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(801)328-1707								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Email:</b>	vrobinson@wnlaw.com								
<b>Correspondent Name:</b>	Workman Nydegger								
<b>Address Line 1:</b>	60 East 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>	17443.35.2								
<b>NAME OF SUBMITTER:</b>	Kulaniakea Fisher								

Total Attachments: 3  
 source=17443-35-2-Assignment#page1.tif  
 source=17443-35-2-Assignment#page2.tif

**500808227**

**PATENT  
 REEL: 022402 FRAME: 0458**

**OP \$40.00 12242047**



Docket No. 51402/RAG/B664

Joint

**ASSIGNMENT**

**WHEREAS, WE, JING JAMES YAO; ROBERT EUGENE ABLE and LOUIS E. SILAY,** residing at and **5241 MIDDLEBURY DRIVE, MISSISSAUGA, ONTARIO, CANADA L5M 5E5; 1316 S. ROUSE AVENUE, BOZEMAN, MONTANA 59715 and 18119 TEAGUE LANE, TWAIN HARTE, CALIFORNIA 95383,** respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **VIBRATORY MILLING MACHINE HAVING LINEAR RECIPROCATING MOTION,** filed **March 23, 2005,** Application No. **11/088,003;** and

**WHEREAS BOART LONGYEAR COMPANY,** a Utah corporation, having a place of business at 1155 Post Road, Oakdale, California 95361 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

**NOW, THEREFORE,** in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we do hereby sell, assign, transfer and set over to **ASSIGNEE:**

- (i) the entire right, title and interest in and to **U.S. Patent Application No. 11/088,003** and all continuations, divisions, reexaminations, reissues, substitutes, extensions and counterparts thereof throughout the world, and all inventions disclosed and claimed therein; and
- (ii) any and all claims and demands that I may have against any firm, person or corporation which has heretofore infringed upon my right in said **U.S. Patent Application No. 11/088,003,** together with the right to retain for **ASSIGNEE** any and all sums that **ASSIGNEE** may obtain or recover as a result of the assertion or enforcement of any such claim or demand.

**WE HEREBY** covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith; and

**WE HEREBY** further covenant and agree that we will communicate to **ASSIGNEE** any and all facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination, reissue, substitute and foreign

**ASSIGNMENT**  
**Docket No. 51402/RAG/B664**

**Joint**  
**USSN 11/088,033**

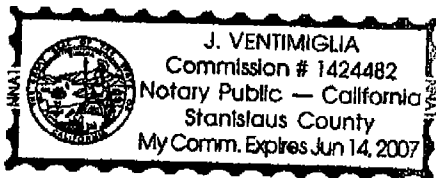
counterpart applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 17<sup>th</sup> day of June, 20 05

STATE OF California )  
COUNTY OF Stanislaus )

J. Ventimiglia  
JING JAMES YAO

On 6-17-05, before me J. Ventimiglia, Notary Public, personally appeared **JING JAMES YAO** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

J. Ventimiglia  
Signature of Notary

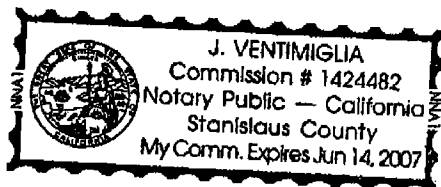
\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this 17<sup>th</sup> day of June, 20 05.

STATE OF California )  
COUNTY OF Stanislaus )

Robert Eugene Able  
ROBERT EUGENE ABLE

On 6-17-05, before me J. Ventimiglia, Notary Public, personally appeared **ROBERT EUGENE ABLE** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

J. Ventimiglia  
Signature of Notary

**ASSIGNMENT**  
**Docket No. 51402/RAG/B664**

**Joint**  
**USSN 11/088,033**

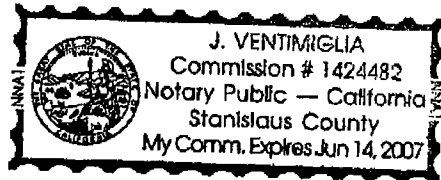
\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Louis E. Silay  
LOUIS E. SILAY

STATE OF California )  
COUNTY OF Stanislaus )

On 6-17-05, before me J. Ventimiglia, Notary Public, personally appeared **ROBERT EUGENE ABLE** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.  
J. Ventimiglia  
Signature of Notary

RLM PAS626777.1-\* -06/3/05 4:44 PM