

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Daryl L. Grubb</td> <td>05/16/2012</td> </tr> <tr> <td>Sharath K. Kolachalam</td> <td>06/01/2012</td> </tr> <tr> <td>Brian O. Faircloth</td> <td>05/17/2012</td> </tr> <tr> <td>Charles C. Rinzler</td> <td>05/16/2012</td> </tr> <tr> <td>Erik C. Allen</td> <td>06/05/2012</td> </tr> <tr> <td>Lance D. Underwood</td> <td>06/11/2012</td> </tr> <tr> <td>Mark S. Zediker</td> <td>05/17/2012</td> </tr> </tbody> </table>		Name	Execution Date	Daryl L. Grubb	05/16/2012	Sharath K. Kolachalam	06/01/2012	Brian O. Faircloth	05/17/2012	Charles C. Rinzler	05/16/2012	Erik C. Allen	06/05/2012	Lance D. Underwood	06/11/2012	Mark S. Zediker	05/17/2012
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<table border="1"> <tr> <td>Name:</td> <td>Foro Energy Inc.</td> </tr> <tr> <td>Street Address:</td> <td>8020 Southpark Circle</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 500</td> </tr> <tr> <td>City:</td> <td>Littleton</td> </tr> <tr> <td>State/Country:</td> <td>COLORADO</td> </tr> <tr> <td>Postal Code:</td> <td>80120</td> </tr> </table>		Name:	Foro Energy Inc.	Street Address:	8020 Southpark Circle	Internal Address:	Suite 500	City:	Littleton	State/Country:	COLORADO	Postal Code:	80120				
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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13403615</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13403615												
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CORRESPONDENCE DATA																	
<p>Fax Number:</p> <p>Email: usassignments@brinkshofer.com, pchiovari@usebrinks.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: John C. Freeman</p> <p>Address Line 1: P.O. Box 10395</p> <p>Address Line 4: Chicago, ILLINOIS 60610</p>																	
ATTORNEY DOCKET NUMBER:	13938/79 (FORO S13A)																

PATENT

NAME OF SUBMITTER:

John C. Freeman

Total Attachments: 12

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ASSIGNMENT

WHEREAS, Daryl L. Grubb, Sharath K. Kolachalam, Brian O. Faircloth, Charles C. Rinzler, Erik C. Allen, Lance D. Underwood, and Mark S. Zediker, hereinafter called the "Assignors", have made the invention described in the United States patent application serial number 13/403,615 filed on February 23, 2012 and entitled HIGH-POWER LASER-MECHANICAL DRILLING BIT AND METHODS OF USE;

WHEREAS, FORO ENERGY INC., a corporation organized and existing under the laws of the State of Delaware, having a place of business at 8020 Southpark Circle, Suite 500, Littleton, Colorado 80120, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents issuing therefrom in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents. The

Assignors hereby sell, assign, and transfer the entire right, title and interest to the Assignee as of the day of filing the application identified above.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE: 05-16-2012 
Daryl L. Grubb

DATE: _____
Sharath K. Kolachalam

DATE: _____
Brian O. Faircloth

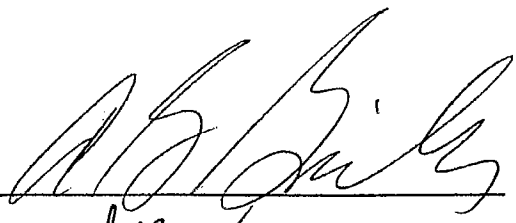
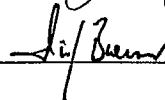
DATE: _____
Charles C. Rinzler

DATE: _____
Erik C. Allen

DATE: _____
Lance D. Underwood

DATE: _____
Mark S. Zediker

WITNESSED FOR TEXAS INVENTOR GRUBB:

DATE: 5/17/2012 
DATE: 5/17/2012 

WITNESSED FOR COLORADO INVENTORS KOLACHALAM, FAIRCLOTH,
RINZLER, UNDERWOOD, AND ZEDIKER :

DATE: _____
DATE: _____

WITNESSED FOR MINNESOTA INVENTOR ALLEN :

DATE: _____
DATE: _____

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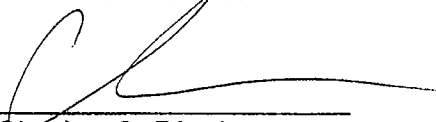
DATE: 06/01/2012


Sharath K. Kolachalam

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Brian O. Faircloth

DATE: 5/16/2012


Charles C. Rinzier

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Erik C. Allen

DATE: _____

Lance D. Underwood

DATE:

5/17/2012

Mark S. Zediker
Mark S. Zediker

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DATE:

DATE:

WITNESSED FOR COLORADO INVENTORS KOLACHALAM, FAIRCLOTH,
RINZLER, UNDERWOOD, AND ZEDIKER :

UDB 5/17/2012
Witnesses Kolachalam

DATE:

5/17/2012

Mark S. Zediker

DATE:

6/14/2012

Jim Norton

WITNESSED FOR MINNESOTA INVENTOR ALLEN :

DATE:

DATE:

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Charles C. Rinzler

DATE: 6/5/2022
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Lance D. Underwood

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Mark S. Zediker

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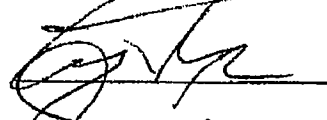
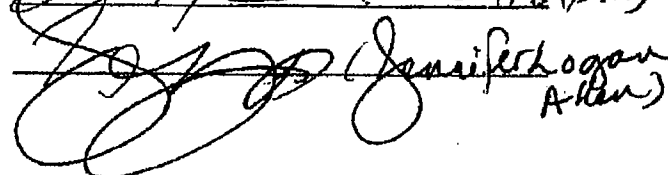
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DATE: _____

WITNESSED FOR MINNESOTA INVENTOR ALLEN :

DATE: 6-5-2012
DATE: 6-5-2012

 (Lucas Thompson)
 (Jennifer Hogan Allen)

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DATE: 6/11/2012 _____
James Underwood
Mark S. Zediker

WITNESSED FOR MINNESOTA INVENTOR ALLEN :

DATE: _____
DATE: _____