

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Scott Boone	10/26/2010
Brian Ellis	10/25/2010
Beat Kuttel	10/26/2010
John Thomas Scarborough	10/25/2010
Chris Papouras	10/28/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Canrig Drilling Technology Ltd.
<b>Street Address:</b>	14703 FM 1488
<b>City:</b>	Magnolia
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77354
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12905829
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(214)200-0853
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	202-654-4565
Email:	jeff.wolfson@haynesboone.com
Correspondent Name:	HAYNES AND BOONE, LLP IP Section
Address Line 1:	2323 Victory Avenue
Address Line 2:	Suite 700
Address Line 4:	Dallas, TEXAS 75219
ATTORNEY DOCKET NUMBER:	38496.168
NAME OF SUBMITTER:	Jeffrey A. Wolfson

CH \$40.00 12905829

Total Attachments: 4

source=ExecutedAssignment#page1.tif

source=ExecutedAssignment#page2.tif

source=ExecutedAssignment#page3.tif

source=ExecutedAssignment#page4.tif

## ASSIGNMENT

WHEREAS each of,

**Scott BOONE**, a citizen of the **United States of America** residing at **1304 Danbury Road, Houston, Texas 77055, USA**,

**Brian ELLIS**, a citizen of **Great Britain** residing at **2121 Allen Parkway, #2109, Houston, Texas 77019, USA**,

**Beat KÜTTEL**, a citizen of **Canada** residing at **10 Spooner Ridge Court, Spring, Texas 77382, USA**,

**John Thomas SCARBOROUGH**, a citizen of the **United States of America** residing at **16125 St. Helier, Houston, Texas 77040, USA**,

**Chris PAPOURAS**, a citizen of the **United States of America** residing at **2111 Welch Street A-205, Houston, Texas 77019, USA**,

an ASSIGNOR, is an inventor of the invention in **DIRECTIONAL DRILLING CONTROL APPARATUS AND METHODS**, for which an application for a Patent of the United States was filed on **October 15, 2010** as **U.S. Application No. 12/905,829**;

WHEREAS, **CANRIG DRILLING TECHNOLOGY LTD.** (ASSIGNEE), a company dually incorporated and existing under the laws of Delaware, United States of America, with its registered office at 14703 FM 1488, Magnolia, Texas 77354, USA is desirous of obtaining each inventor's entire right, title, and interest in, to and under said invention, the said application and corresponding applications worldwide;

NOW, THEREFORE, in exchange for good and valuable consideration to the inventor, the receipt and sufficiency of which is hereby acknowledged, the ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, his or her entire, worldwide right, title and interest in, to and under the invention, including the above United States non-provisional application embodying the invention or any other United States application to which priority is claimed under 35 U.S.C. § 119 and to any application to which priority is claimed, or claiming priority to the application noted above, under 35 U.S.C. § 120, including all divisions, continuations, and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for

industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries other than the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for the invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, the same to be held and enjoyed by the ASSIGNEE, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this sale and assignment not been made;

And ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

And ASSIGNOR hereby covenants and agrees that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith;

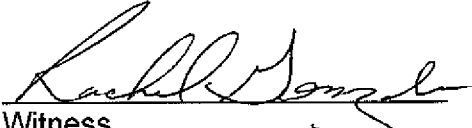
And ASSIGNOR hereby further covenants and agrees that he or she will communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to him or her respecting said invention, testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the ASSIGNEE or, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries;

And ASSIGNOR herby authorizes the ASSIGNEE's patent attorney to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

In witness whereof, each inventor has affixed his or her signature.

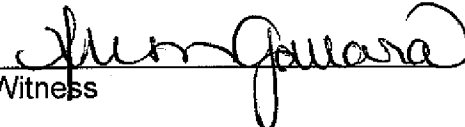
Dated: 10/26/10 \_\_\_\_\_  
  
Scott BOONE

On this 26<sup>th</sup> day of October, 2010, before me appeared Scott BOONE, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his free act and deed.

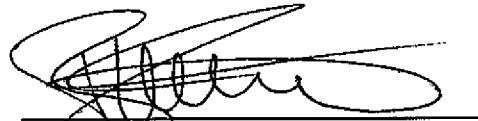
  
Witness

Dated: 10/25/10 \_\_\_\_\_  
  
Brian ELLIS


On this 25<sup>th</sup> day of OCTOBER, 2010, before me appeared Brian ELLIS, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his free act and deed.

  
Witness


Dated: 10/20/10

  
Beat KÜTTEL

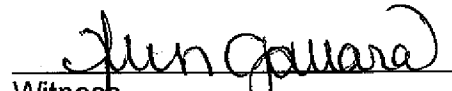
On this 20th day of October, 2010, before me appeared Beat KÜTTEL, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his free act and deed.

  
Witness

Dated: 10/25/2010

  
John Thomas SCARBOROUGH


On this 25th day of October, 2010, before me appeared John Thomas SCARBOROUGH, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his free act and deed.

  
Witness

Dated: 28th / October 2010

  
Chris PAPOURAS

On this 28th day of October, 2010, before me appeared Chris PAPOURAS, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his free act and deed.

  
Witness