

PATENT ASSIGNMENT

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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>Scott G. Boone</td> <td>12/10/2012</td> </tr> <tr> <td>Colin Gillan</td> <td>12/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Scott G. Boone	12/10/2012	Colin Gillan	12/10/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Canrig Drilling Technology Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>8223 Willow Place Drive South</td> </tr> <tr> <td>City:</td> <td>Houston</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77070</td> </tr> </table>		Name:	Canrig Drilling Technology Ltd.	Street Address:	8223 Willow Place Drive South	City:	Houston	State/Country:	TEXAS	Postal Code:	77070
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CORRESPONDENCE DATA											
<p>Fax Number:</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 214-651-5000</p> <p>Email: ipdocketing@haynesboone.com</p> <p>Correspondent Name: HAYNES AND BOONE, LLP IP Section</p> <p>Address Line 1: 2323 Victory Avenue</p> <p>Address Line 2: Suite 700</p> <p>Address Line 4: Dallas, TEXAS 75219</p>											
ATTORNEY DOCKET NUMBER:	38496.226										
NAME OF SUBMITTER:	Dustin T. Johnson										
<p>Total Attachments: 3</p> <p>source=assignment#page1.tif</p> <p>source=assignment#page2.tif</p> <p>source=assignment#page3.tif</p>											

OP \$40.00 13708255

ASSIGNMENT

WHEREAS,

Scott G. BOONE, a US citizen, residing at 1304 Danbury Road,
Houston, Texas 77055, and

Colin Gillan, a US citizen, residing at 5434 Willowbend, Houston,
Texas 77096,

ASSIGNORS, are inventors of the invention in **DRILLING STRING
OSCILLATION METHODS**, for which an application for a Patent of the United
States of America was filed on December 7, 2012 as U.S. Application No.
13/708,255.

WHEREAS, **CANRIG DRILLING TECHNOLOGY LTD.** (ASSIGNEE), a
company dually incorporated and existing under the laws of Delaware, with its
registered office at 8223 Willow Place Drive South, Houston, Texas 77070, is
desirous of obtaining inventor's entire right, title, and interest in, to and under the
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
ASSIGNORS have 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 the ASSIGNORS hereby authorize and request 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 the ASSIGNORS hereby covenant and agree that they have the full right to convey the entire interest herein assigned, and that they have not executed, and will not execute, any agreement in conflict herewith;

And the ASSIGNORS hereby further covenant and agree that they will communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to them 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 Assignee and Assignors agree that this Agreement will be governed by and construed in accordance with the laws of the State of Texas, without giving effect to its choice of laws principles;

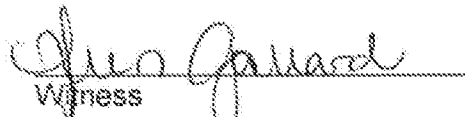
Each consents to the exclusive jurisdiction of the state and federal courts located in the State of Texas in any action brought under this Agreement or to enforce its terms, and each waives any right to object to the venue of such courts and to assert that such courts are an inconvenient forum, and each agrees to the exclusive personal jurisdiction of such courts.

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

Dated: 12/10/12


Scott G. BOONE


On this 10th day of December, 2012, before me appeared Scott G. 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/her free act and deed.


Witness

Dated: 12/10/12


COLIN GILLAN

On this 10th day of December, 2012, before me appeared Colin Gillan, 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/her free act and deed.


Witness