

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2588611

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>LOREN RUTHERFORD</td> <td>10/10/2013</td> </tr> <tr> <td>OLIVIER JEAN-MARC CLAUDE MAGEREN</td> <td>10/08/2013</td> </tr> <tr> <td>KHAE NGUYEN CHE</td> <td>10/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	LOREN RUTHERFORD	10/10/2013	OLIVIER JEAN-MARC CLAUDE MAGEREN	10/08/2013	KHAE NGUYEN CHE	10/08/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>HALLIBURTON ENERGY SERVICES, INC.</td> </tr> <tr> <td>Street Address:</td> <td>10200 BELLAIRE BOULEVARD</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>77072</td> </tr> </table>		Name:	HALLIBURTON ENERGY SERVICES, INC.	Street Address:	10200 BELLAIRE BOULEVARD	City:	HOUSTON	State/Country:	TEXAS	Postal Code:	77072
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13979275</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13979275						
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Application Number:	13979275										
CORRESPONDENCE DATA											
Fax Number:	(512)322-8388										
Phone:	512-322-2500										
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	BAKER BOTTS L.L.P. PATENT DEPARTMENT										
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Address Line 4:	AUSTIN, TEXAS 78701-4039										
ATTORNEY DOCKET NUMBER:	074263.0805										
NAME OF SUBMITTER:	CRYSTLE GARBADE										
Signature:	/Crystle Garbade/										
Date:	10/23/2013										

PATENT

Total Attachments: 4

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ASSIGNMENT

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WHEREAS, I, the undersigned joint inventors of residence as listed, have invented certain new and useful improvements as below entitled, for which application for Letters Patent is made; said application having been executed; and

WHEREAS, Halliburton Energy Services, Inc. (hereinafter referred to as "Assignee"), a Delaware Corporation, with an address of 10200 Bellaire Boulevard, Houston, Texas 77072, desires to acquire my entire right, title and interest in and to the invention assigned **U.S. Patent Application Serial No. 13/979,275 filed on July 11, 2013 and to U.S. Provisional Patent Application Serial No. 61/431,746 filed January 11, 2011**, and in and to the said application and any Letters Patent that may issue thereon;

**NOW, THEREFORE**, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to the said invention and in and to the said patent application, and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interests are concerned, to Assignee.

I also assign to Assignee, all right, title and interest in and to the invention disclosed in said application throughout the world including **PCT Patent Application Serial No. PCT/EP2012/050394 filed January 11, 2012 and all applications and patents deriving therefrom, including European Patent Application Serial No. 12700182.4, Australian Patent Application Serial No. 2012206560, and Canadian Patent Application Serial No. 2,823,777**, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful

ATTORNEY DOCKET  
074263.0805

PATENT APPLICATION  
13/979,275

ASSIGNMENT  
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oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the party's successors, assigns and legal representatives.

TITLE: CUTTING APPARATUS

Full name of inventor

Loren Rutherford

Inventor's Signature

*Loren Rutherford*  
10/10/13

Date

Residence

Dubai, AE

Date: 10/10/13

*Maria Rutherford*  
Witness

Maria Rutherford  
Witness Printed Name

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074263.0805

PATENT APPLICATION  
13/979,275

ASSIGNMENT

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TITLE: CUTTING APPARATUS

Full name of inventor

Olivier Jean-Marc Claude Mageren

Inventor's Signature

*Mageren*

Date

8<sup>th</sup> October 2013

Residence

Jette, Brussels BELGIUM

Date: 8<sup>th</sup> October 2013

Witness

*Jean-Pierre Lamm*  
Witness Printed Name

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074263.0805

PATENT APPLICATION  
13/979,275

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TITLE: CUTTING APPARATUS

Full name of inventor

Khac Nguyen Che

Inventor's Signature



Date

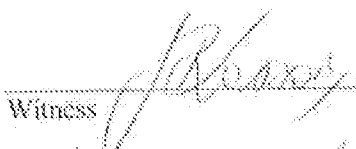
08 October 2013

Residence

Brussels, Belgium

Date: 08 October 2013

Witness



Witness Printed Name

Jean-Pierre Lassalle

01/03/10/21/984.1