

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2758739

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>CHRISTOPHE ROHART</td><td>02/24/2014</td></tr><tr><td>THOMAS DIDRY</td><td>02/11/2014</td></tr></tbody></table>		Name	Execution Date	CHRISTOPHE ROHART	02/24/2014	THOMAS DIDRY	02/11/2014				
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CHRISTOPHE ROHART	02/24/2014										
THOMAS DIDRY	02/11/2014										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>VALLOUREC DRILLING PRODUCTS FRANCE</td></tr><tr><td>Street Address:</td><td>7 RUE DES FRERES LUMIERES</td></tr><tr><td>City:</td><td>COSNE COURS SUR LOIRE</td></tr><tr><td>State/Country:</td><td>FRANCE</td></tr><tr><td>Postal Code:</td><td>F-58200</td></tr></table>		Name:	VALLOUREC DRILLING PRODUCTS FRANCE	Street Address:	7 RUE DES FRERES LUMIERES	City:	COSNE COURS SUR LOIRE	State/Country:	FRANCE	Postal Code:	F-58200
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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>14234542</td></tr></tbody></table>		Property Type	Number	Application Number:	14234542						
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Application Number:	14234542										
CORRESPONDENCE DATA											
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Email: Gtesfaye@oblon.com											
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Address Line 4: ALEXANDRIA, VIRGINIA 22314											
ATTORNEY DOCKET NUMBER:	428882US41PCT										
NAME OF SUBMITTER:	GENET TESFAYE										
Signature:	/Genet Tesfaye/										
Date:	03/07/2014										

Total Attachments: 4

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**PATENT**

**REEL: 032381 FRAME: 0301**

428882US41PCT

## Assignment of Application

AT NAMES  
 RESIDENCE  
 ADDRESS OF  
 INVENTORS:

WHEREAS, I (WE) Christophe ROHART of Aulnoye-Aymeries, France and

Thomas DIDRY of Aulnoye-Aymeries, France

, respectively,

AT TITLE OF  
 INVENTION:

have invented certain new and useful improvements in: DRILL STRING ELEMENT WITH A FLUID ACTIVATION AREA

(Application No. 14/234,542, filed January 23, 2014), and

WHEREAS, VALLOUREC DRILLING PRODUCTS FRANCE

AT NAME  
 ADDRESS OF  
 ANY OR  
 R ASSIGNEE:

(hereinafter referred to as "ASSIGNEE") having a place of business at: 7 Rue des Freres Lumieres, F-58200 Cosne Cours sur Loire, France is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Feb. 24<sup>th</sup> 2014

(Signature of Inventor)

  
Christophe ROHART

Date: \_\_\_\_\_

(Signature of Inventor)

Thomas DIDRY

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.**  
ATTORNEYS AT LAW  
1940 DUKE STREET  
ALEXANDRIA, VIRGINIA 22314

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SERIAL NUMBER  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS:

SERIAL NUMBER  
AND RESIDENCE  
ADDRESS OF  
THE ASSIGNEE:

SERIAL NUMBER  
AND RESIDENCE  
ADDRESS OF  
THE ASSIGNEE:

07/09

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Date: \_\_\_\_\_

(Signature of Inventor)

Christophe ROHART

Date: 11/02/2014

(Signature of Inventor)

Thomas DIDRY

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.**  
ATTORNEYS AT LAW  
1940 DUKE STREET  
ALEXANDRIA, VIRGINIA 22314