

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RONALD PETTAPIECE	11/15/2013
WAYNE KIPP	11/15/2013
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15642954
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DATE SIGNED:	11/01/2017
Total Attachments: 3	
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CONFIRMATORY PATENT ASSIGNMENT

WHEREAS, we

PETTAPIECE, Ronald, residing at 10911-16 AVE EDMONTON
in the Province of Alberta, Canada, citizen of Canada; and

KIPP, Wayne, residing at 3010 50302 RR 244A LEUC
in the Province of Alberta, Canada, citizen of Canada

have made an invention entitled "Systems and Methods for Automatic Drilling of Wellbores", which is fully described in the patent applications identified in Schedule A hereto (hereinafter referred to as the "Invention");

AND WHEREAS, **ENSIGN DRILLING PARTNERSHIP**, an entity having a principal place of business at **1000, 400 - 5th Avenue, Calgary, Alberta, T2P 0L6, Canada**, together with its successors and assigns (hereinafter collectively referred to as the "Assignee") is desirous of acquiring the right, title and interest in and to the Invention;

NOW THEREFORE for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged:

1. We hereby confirm that effective December 4, 2012, we assigned, sold, transferred and conveyed to the Assignee all of our right, title and interest in and to the Invention including, without limitation, all rights, title and interest in and to the patent applications identified in Schedule A and any national, regional, international and national phase applications in any country and any divisions, extensions, renewals, re-examinations, continuations, continuations-in-part and any Letters Patent that issue therefrom;

2. We hereby authorize the Assignee to apply for Letters Patents in any country in our names or in the name of the Assignee, as the Assignee deems advisable;

3. We hereby authorize and request the Commissioner of Patents, or any other relevant official whose duty it is to issue Letters Patent, to issue any and all Letters Patent for the Invention to the Assignee; and

4. We hereby agree to execute all documents and to do all things that may reasonably be necessary or required of us to allow the Assignee to obtain registration as the owner of patent rights in the Invention in any country, testify in any legal proceedings, make all rightful oaths and generally do everything possible to assist the Assignee as and when requested by it in obtaining and enforcing proper patent protection for the Invention in any country.

SIGNED at WISKU AB this 15 day of Nov, 2013.


RONALD PETTAIEOE


Signature of Witness

SIGNED at WISKU AB this 15 day of Nov, 2013.


WAYNE KIPP


Signature of Witness

Schedule A

1. United States Provisional Patent Application No. 61/696,019 filed on August 31, 2012;
2. United States Provisional Patent Application No. 61/729,244 filed on November 21, 2012;
3. United States Patent Application 14/014,293 filed August 29, 2013;
4. Canadian Patent Application No. 2,826,874 filed August 30, 2013; and
5. Australian Patent Application No. 201322001 filed August 30, 2013.