

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAVID A. BARFOOT	10/08/2013
PAUL H. MCPHAIL	10/01/2013
RECEIVING PARTY DATA	
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State/Country:	TEXAS
Postal Code:	77072
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15042970
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ATTORNEY DOCKET NUMBER:	1880.927US3
NAME OF SUBMITTER:	DAVID R. COCHRAN
SIGNATURE:	/David R. Cochran/
DATE SIGNED:	02/12/2016
Total Attachments: 3	
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ASSIGNMENT

In consideration of one dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we the undersigned, **David A. BARFOOT** and **Paul H. MCPHAIL**, having made an invention in "**GEO-LOCATING POSITIONS ALONG OPTICAL WAVEGUIDES**" while in the employ of HALLIBURTON ENERGY SERVICES, INC., a corporation organized and existing under the laws of the State of Delaware, doing business at 10200 Bellaire Boulevard, Houston, Texas 77072, (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in "**GEO-LOCATING POSITIONS ALONG OPTICAL WAVEGUIDES**";

2. United States of America patent application on said invention, Attorney File No. **2013-IP-075002 U1 US**, executed by me, entitled "**GEO-LOCATING POSITIONS ALONG OPTICAL WAVEGUIDES**";

3. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, whether in the United States of America or any other place anywhere in the world;

4. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world;

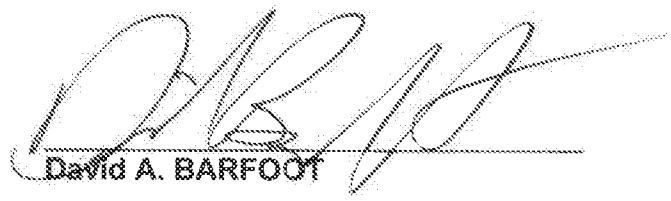
5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitations, those obtained or permissible under past, present and future law and statutes;

6. All rights of action on account of past, present and future unauthorized use of said invention for infringement of said patents and like protection;

7. The right to ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and

8. All international rights of priority associated with said invention, applications, patents and like protection; and we covenant that we, our heirs, legal representatives, assigns, administrators, and executors will at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

EXECUTED at Harris County, Texas, on the 8th day of October, 2013.


David A. BARFOOT

STATE OF Texas §
COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared David A. BARFOOT known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that she executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 8th day of October, 2013.


Notary Public

[SEAL]

My Commission Expires: 11/19/16

