PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Richard T. HAY	06/11/2009
Mac UPSHALL	06/19/2009

RECEIVING PARTY DATA

Name:	Halliburton Energy Services, Inc.	
Street Address:	10200 Bellaire Boulevard	
Internal Address:	Intellectual Property Department	
City:	Houston	
State/Country:	TEXAS	
Postal Code:	77072	

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US0949470

CORRESPONDENCE DATA

Fax Number: (281)213-2037

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

281-825-5235 Phone:

Email: debi@KIPATENTS.US

KRUEGER ISELIN LLP (1391) Correspondent Name:

Address Line 1: P O BOX 1906

CYPRESS, TEXAS 77410-1906 Address Line 4:

ATTORNEY DOCKET NUMBER: 1391-775.00

NAME OF SUBMITTER: DANIEL J. KRUEGER

Total Attachments: 3

500901414

source=HAL77500-ASG#page1.tif source=HAL77500-ASG#page2.tif

PATENT REEL: 022906 FRAME: 0403

source=HAL77500-ASG#page3.tif

PATENT REEL: 022906 FRAME: 0404

HAL REF: 2008-IP-016494 WO

(1391-775.00)

ASSIGNMENT

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that the undersigned inventor(s), for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Richard T. Hay and Mac Upshall, having made an invention in "Borehole Array for Ranging and Crosswell Telemetry" 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, TX 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 Borehole Array for Ranging and Crosswell Telemetry;
- 2. The International PCT Patent Application on said invention, filed concurrently herewith or as PCT Patent Application No. PCT/US09/49470, filed July 2, 2009, (Attorney's File No. 1391-775.00; attorney is authorized to fill in the application number and filing date after the USPTO assigns them), entitled Borehole Array for Ranging and Crosswell Telemetry;
- 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

Ì

PATENT REEL: 022906 FRAME: 0405 I (or We) covenant that I (or We), my (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 HERMANN County, Texas, on the May of No. 2009.
STATE OF TENANTS § COUNTY OF HERATS §
BEFORE ME , the undersigned authority, on this day personally appeared RICHARD T. HAY known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.
GIVEN UNDER my hand and seal of office, this the 11 day of 1, 2009.
REBECCA LYNN EHNTHOLT NOTARY PUBLIC STATE OF TEXAS COMM. EXPIRES 09-04-2011 My Commission Expires: Calculated

EXECUTED at CALGARY	County, ALBERTA, on the 19 day of June,
2009.	
	MACUESHALL
STATE OF CAGARY COUNTY OF ACREE PROVINCE BE	•
UPSHALL known to me to b	ned authority, on this day personally appeared MAC e the person whose name is subscribed to the foregoing to me that he executed the same for the purposes and
GIVEN UNDER my hand and	seal of office, this the 19 day of Vuve, 2009.
	seal of office, this the 19 day of Vove, 2009. Notary Public
[SEAL]	Donald G. Guest Barrister & Solicitor
My Commission Expires:	99 ant-
Expires:	
1	

RECORDED: 07/02/2009