503074510 11/24/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL BOYD COOPER	10/28/2014
ERIK N. LEE	09/29/2014
ROGER GLEN DUNCAN	10/29/2014

RECEIVING PARTY DATA

Name:	BAKER HUGHES INCORPORATED	
Street Address:	2929 ALLEN PARKWAY	
Internal Address:	SUITE 2100	
City:	HOUSTON	
State/Country:	TEXAS	
Postal Code:	77019-2118	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14492857

CORRESPONDENCE DATA

Fax Number: (860)286-0115

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: CANTOR COLBURN LLP- BAKER HUGHES INCORPO

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ATTORNEY DOCKET NUMBER:	OPS4-58255-US-NP
NAME OF SUBMITTER:	USHA MUNUKUTLA-PARKER
SIGNATURE:	/Usha Munukutla-Parker/
DATE SIGNED:	11/24/2014

Total Attachments: 4 source=7BA6609#page1.tif source=7BA6609#page2.tif source=7BA6609#page3.tif

PATENT 503074510 REEL: 034253 FRAME: 0092

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PATENT REEL: 034253 FRAME: 0093 PATENT APPLICATION ASSIGNMENT

WHEREAS, We, Daniel Boyd Cooper, Erik N. Lee, and Roger Glen Duncan have

invented new and useful improvements in DAS-BASED DOWNHOLE TOOL

ORIENTATION DETERMINATION for which we have filed as United States Patent

Application <u>14/492,857</u> on <u>September 22, 2014</u>.

WHEREAS, Baker Hughes Incorporated, a corporation of the State of Delaware,

having a correspondence address of 2929 Allen Parkway, Suite 2100, Houston, Texas 77019-

2118, is desirous of acquiring my entire right, title and interest in said application and my Letters

Patent, which may issue thereon.

NOW, THEREFORE, it be known by all whom it may concern that for and in

consideration of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and other

good and valuable consideration, We hereby assign to said corporation, both in and for the

territory of the United States of America and the entire world, all my title and interest in and to

said invention, patent application and any patent which may issue thereon, including all

divisions, continuations, reissues, continuations-in-part and substitutions thereof, plus all priority

rights for patent applications foreign to the United States of America. We further hereby assign

and transfer to said corporation whatever cause of action We may have for past or present

infringement of said invention, together with the right to bring suit for any such infringement and

to seek and receive damages and other relief arising from any such infringement.

WE HEREBY covenant and agree that We will at any time, upon the request of said

corporation, execute and deliver any and all papers and do all lawful acts that may be necessary

or desirable to perfect the title to said invention, applications and patents, and We authorize the

Commissioner of Patents and Trademarks to issue Letters patent to said corporation.

OPS4-58255-US-NP (OSY-0123US)

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PATENT REEL: 034253 FRAME: 0094 Commonwealth of Virginia 7521862 My Commission Expires Aug 31, 2016

Inventor 2 Erik N. Lee	4	_ Date: <i>SE[[]</i>	29,2 <u>04</u>	
STATE OF	ss.			
Enk N. Lee, to	of <u>SOM and</u> , me personally known a ged to me that he/she ex	is the individual who	executed the foregoing	g assignment,
Sed A No	ALLIE HAYSLIP Mary Public, State of Texas- My Commission Expires		fy Public)	

Inventor 3
Roger Glen Duncan Date: /0/29//y
Troger Glon Danielli
STATE OF Virginia COUNTY OF Mentagenery ss.
COUNTY OF Mentermery ss.
This 29 day of October, 2014 before me personally came the above-named Roger Glen Duncan, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.
Seal (Notary Public)
ROBERT S MILES III Notary Public Commonwealth of Virginia 7521862 My Commission Expires Aug 31, 2016

RECORDED: 11/24/2014