503565431 11/11/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KENNETH R. EVANS	11/11/2015
OLIVER MATTHEWS III	11/11/2015
STEVEN C. RUSSELL	11/11/2015

RECEIVING PARTY DATA

Name:	BAKER HUGHES INCORPORATED	
Street Address:	2929 ALLEN PARKWAY	
Internal Address:	SUITE 2100	
City:	HOUSTON	
State/Country:	TEXAS	
Postal Code:	77027-5115	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14938613

CORRESPONDENCE DATA

Fax Number:

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: TRASKBRITT, P.C. / BAKER HUGHES, INC. BA

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ATTORNEY DOCKET NUMBER:	1684-12991.1(HHH4-60287-U	
NAME OF SUBMITTER:	J. JEFFREY GUNN	
SIGNATURE:	/J. Jeffrey Gunn/	
DATE SIGNED:	11/11/2015	

Total Attachments: 4

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PATENT 503565431 REEL: 037017 FRAME: 0303

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PATENT REEL: 037017 FRAME: 0304

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

SELL, ASSIGN AND TRANSFER to BAKER HUGHES INCORPORATED ("ASSIGNEE"), a Corporation of the State of Delaware, having a place of business at 2929 Allen Parkway, Suite 2100, Houston, TX 77027-5115, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements that are disclosed in the Application for United States Letters Patent that has been executed by each undersigned ASSIGNOR concurrently herewith, and titled EARTH-BORING TOOL HAVING BACK UP CUTTING ELEMENTS WITH FLAT SURFACES FORMED THEREIN AND RELATED METHODS, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof that have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents that have been or shall be issued in the United States and all foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

AUTHORIZE the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this Assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible that the ASSIGNEE shall

PATENT REEL: 037017 FRAME: 0305 consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNOR:

| Mark | Mark | Date: | Mark | Date: | Mark | M

Oliver Matthews III
Residing at: 19514 Country Village Dr., Spring, TX 77388

COUNTY OF Mondown State

COUNTY OF Mondown State

STATE OF S

Notary Public, State of Texas My Commission Expires August 03, 2018 Steven C. Russell
Residing at: 12703 Turlock Court, Houston, TX 77041 US

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