

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Tuck Leong Ho	10/23/2006
RECEIVING PARTY DATA	
Name:	Halliburton Energy Services, Inc.
Street Address:	10200 Bellaire Boulevard
City:	Houston
State/Country:	TEXAS
Postal Code:	77072
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12851307
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ATTORNEY DOCKET NUMBER:	074263.0605
NAME OF SUBMITTER:	Crystle Garbade
Total Attachments: 3 source=074263-0605-assignment#page1.tif source=074263-0605-assignment#page2.tif source=074263-0605-assignment#page3.tif	

CH \$40.00 12851307

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WHEREAS, I, the undersigned joint inventor of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed; and

WHEREAS, Halliburton Energy Services, Inc. (hereinafter referred to as "Assignee"), a Delaware Corporation, with an address of 10200 Bellaire Boulevard, Houston, Texas 77072, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and also in U.S. **Provisional Patent Application Serial No. 60/710,452 filed August 23, 2005 entitled *Rotary Drill Bit with Nozzles designed to Enhance Hydraulic Performance and Drilling Fluid Efficiency* and in and to said regular utility U.S. Nonprovisional Application Serial No. 11/466,252 filed August 22, 2006 entitled *Rotary Drill Bit with Nozzles designed to Enhance Hydraulic Performance and Drilling Fluid Efficiency* and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the United States Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.**

This assignment including said application, any and all United States and foreign patents, utility models, design registrations, inventor's certificates and other similar rights granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name, or in its own name, for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as

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the Assignee may reasonably request to effectuate fully this assignment; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Assignment of:

1. **U.S. Provisional Patent Application Serial No. 60/710,452 filed August 23, 2005 entitled *Rotary Drill Bit with Nozzles designed to Enhance Hydraulic Performance and Drilling Fluid Efficiency*; and**
2. **U.S. Nonprovisional Application Serial No. 11/466,252 filed August 22, 2006 entitled *Rotary Drill Bit with Nozzles designed to Enhance Hydraulic Performance and Drilling Fluid Efficiency***

Full name of joint inventor

EPHRAIM J. GUTMARK

Inventor's Signature

Date

Residence (City, County, State)

CINCINNATI, HAMILTON COUNTY, OHIO

Citizenship

UNITED STATES

Post Office Address

**5055 ROLLMAN ESTATES DRIVE
CINCINNATI, OH 45236**

ATTORNEY DOCKET NO.
074263.0318
(SD-00-008)

PATENT APPLICATION

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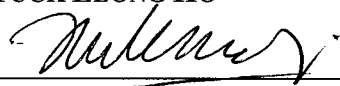
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Full name of joint inventor

TUCK LEONG HO

Inventor's Signature



Date

Oct. 23 2006

Residence (City, County, State)

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Citizenship

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