

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
James May	12/08/2004
Larry Moeller	12/08/2004
Jackson Debray	12/09/2004
Joe W. Reeves	12/10/2004

RECEIVING PARTY DATA

Name:	Smith International, Inc.
Street Address:	16740 Hardy Street
City:	Houston
State/Country:	TEXAS
Postal Code:	77032

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11010989

CORRESPONDENCE DATA

Fax Number: (713)238-8008
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 713 238-8000
Email: Dforinash@conleyrose.com
Correspondent Name: Derek V. Forinash
Address Line 1: P. O. Box 3267
Address Line 4: Houston, TEXAS 77253-3267

NAME OF SUBMITTER:

Derek V. Forinash

Total Attachments: 5

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PATENT

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ASSIGNMENT

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to us by SMITH INTERNATIONAL, INC., and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, JAMES MAY, LARRY MOELLER, JACKSON DEBRAY and JOE W. REEVES, Joint Inventors ("ASSIGNORS"), having made an invention in ROTATING DRILLING HEAD DRIVE, while in the employ either as an employee or consultant of SMITH INTERNATIONAL, INC., a corporation organized and existing under the laws of the State of Delaware, doing business at 16740 Hardy Street, Houston, Texas 77032 (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said SMITH INTERNATIONAL, INC., its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in ROTATING DRILLING HEAD DRIVE;
2. United States of America patent application on said invention, filed concurrently herewith or as U.S. Patent Application No. 11/010989 filed December 13, 2004, Attorney's File No. 1030-23701; attorney is authorized to fill in the application number and filing date after assignment by the U.S. Patent and Trademark Office), entitled ROTATING DRILLING HEAD DRIVE;
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, including any continuation, continuation-in-part and any other utility applications that may be based on this invention, 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 limitation, those obtained or permissible under past, present and future laws and statutes;
6. All rights of action on account of past, present and future unauthorized use of said invention and for infringement of said patents and like protection;

7. The right in 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, and 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 in Houston, Texas on the date indicated below, opposite my signature.

ASSIGNOR

Date: 12/8/2004

James May
James May

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared JAMES MAY, 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 8th day of December, 2004.



Inez G. Cameron
Notary Public in and for
the State of T E X A S

My Commission Expires:

6-8-08

EXECUTED in Houston, Texas on the date indicated below, opposite my signature.

ASSIGNOR

Date: 12-8-2004

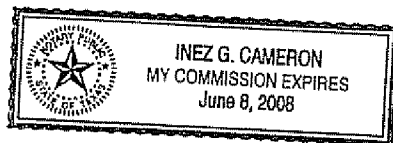
Larry Moeller
Larry Moeller

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared LARRY MOELLER, 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 8th day of December, 2004

[S E A L]



Inez G. Cameron
Notary Public in and for
the State of TEXAS

My Commission Expires:

6-8-08

EXECUTED in Houston, Texas on the date indicated below, opposite my signature.

ASSIGNOR

Date: Dec 9, 2004

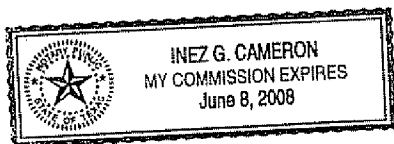
Jackson De Bray
Jackson Debray

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared JACKSON DEBRAY, 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 9th day of December, 2004.

[S E A L]



Inez G. Cameron
Notary Public in and for
the State of T E X A S

My Commission Expires:

6-8-08

EXECUTED in Houston, Texas on the date indicated below, opposite my signature

ASSIGNOR

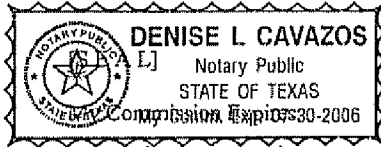
Date: 12-10-04

Joe W. Reeves
Joe W. Reeves

THE STATE OF TEXAS §
COUNTY OF Sim Wells §

BEFORE ME, the undersigned authority, on this day personally appeared JOE W REEVES, 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 10th day of December, 2004



Denise L. Cavazos
Notary Public in and for
the State of TEXAS
