

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Alan J. Marshall	01/05/2009
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:	12329973
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	Thaddeus J. Faleski
Address Line 1:	P.O. BOX 3267
Address Line 4:	HOUSTON, TEXAS 77253-3267
ATTORNEY DOCKET NUMBER:	1030-40100 TJF
NAME OF SUBMITTER:	Thaddeus J. Faleski
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

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ASSIGNMENT

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to me by **SMITH INTERNATIONAL, INC.**, and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, **ALAN J. MARSHALL**, ("ASSIGNOR"), having made an invention in **PERCUSSION DRILLING ASSEMBLY WITH ANNULAR LOCKING MEMBER**, 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 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 **PERCUSSION DRILLING ASSEMBLY WITH ANNULAR LOCKING MEMBER**;
2. United States of America patent application on said invention, Application No. 12/329,973, filed December 8, 2008, Attorney's File No. 1030-40100, entitled **PERCUSSION DRILLING ASSEMBLY WITH ANNULAR LOCKING MEMBER**;
3. All applications for patent or like protection on said invention that have now been or may in the future be made by me or my 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 me or my 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 I covenant that I, and my 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 on the date indicated below, opposite my signature.

ASSIGNOR:

Date: January 5th 2009

Alan J. Marshall
Alan J. Marshall

THE STATE OF WEST VIRGINIA §
 §
COUNTY OF HARRISON §

BEFORE ME, the undersigned authority, on this day personally appeared ALAN J. MARSHALL, 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 5 day of January, 2009.

Kelly Deitzel
Notary Public in and for
the State of West Virginia

[SEAL]

My Commission Expires:
March 9, 2015

