

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Alan Jackson Marshall	04/09/2009
Shantanu Swadi	03/30/2009
James A. Simson	03/30/2009
<b>RECEIVING PARTY DATA</b>	
Name:	Smith International, Inc.
Street Address:	1310 Rankin Road
City:	Houston
State/Country:	TEXAS
Postal Code:	77073
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12407338
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(713)238-8008
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	713-238-8000
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Correspondent Name:	Gregory L. Maag
Address Line 1:	P.O. Box 3267
Address Line 4:	Houston, TEXAS 77253-3267
ATTORNEY DOCKET NUMBER:	1030-40000
NAME OF SUBMITTER:	Gregory L. Maag
Total Attachments: 4 source=1030-40000 Executed Assignment#page1.tif source=1030-40000 Executed Assignment#page2.tif	

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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, **ALAN JACKSON MARSHALL, SHANTANU SWADI, and JAMES A. SIMSON** ("ASSIGNORS"), having made an invention in "**A PERCUSSION DRILLING ASSEMBLY AND LOCKING SYSTEM THEREFOR,**" 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 1310 Rankin Road, Houston, Texas 77073 (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 "**A PERCUSSION DRILLING ASSEMBLY AND LOCKING SYSTEM THEREFOR,**"
2. United States of America patent application on said invention, filed as U.S. Patent Application No. 12/407,338 filed March 19, 2009 (Attorney's File No. 1030-40000); entitled "**A PERCUSSION DRILLING ASSEMBLY AND LOCKING SYSTEM THEREFOR,**"
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 on the date indicated below, opposite my signature.

Date: April 9, 2009

ASSIGNORS

Alan Jackson Marshall  
Alan Jackson Marshall

THE STATE WV §  
COUNTY OF Harrison §

BEFORE ME, the undersigned authority, on this day personally appeared Alan Jackson 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.

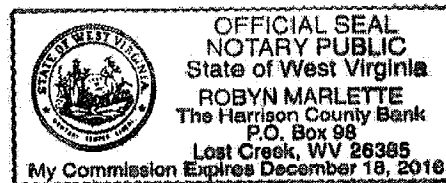
GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 9th day of April, 2009.

[S E A L]

My Commission Expires:

12/18/2016

Robyn Marlette  
Notary Public in and for  
the State of WV



\*\*\*\*\*

EXECUTED on the date indicated below, opposite my signature.

Date: 3-30-09

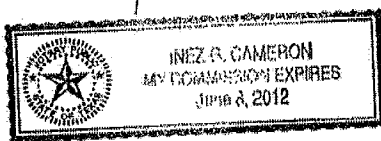
Shantanu Swadi  
Shantanu Swadi

THE STATE OF Texas §  
COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared Shantanu Swadi, 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 30<sup>th</sup> day of July, 2009.

[S E A L]



My Commission Expires:

6-8-2012

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

\*\*\*\*\*

EXECUTED on the date indicated below, opposite my signature.

Date: 3-30-09

  
James A. Simson

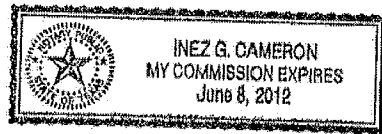
THE STATE OF Texas §

COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared **James A. Simson** 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 30<sup>th</sup> day of March, 2009.

[SEAL]



  
Notary Public in and for  
the State of TEXAS

My Commission Expires:

6-8-2012