

12-15-2000

FORM PTO-1595 (Modified)  
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HEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101552530

11-27-00

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

**Robert H. SLAUGHTER JR., Fakhroldin M. JADBABAEI,  
Peter T. CARIVEAU, Vincent W. SHOTTON, and  
Roger DIDERICKSEN**

2. Name and address of receiving party(ies)

Name: Smith International, Inc.

Address: 16740 Hardy Street

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

City: Houston State/Prov.: TX

Country: U.S.A. ZIP: 77032

Execution Date: November 7, 2000 and November 14, 2000

Additional name(s) & address(es)  Yes  No

4. Application number(s) or registration numbers(s) :

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.      Filing date      B. Patent No.(s)

09/644,595      August 23, 2000

Additional numbers  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Richard A. Fagin

Registration No. 39,182

Address: ROSENTHAL & OSHA L.L.P.

700 Louisiana, Suite 4550

City: Houston State/Prov.: TX

Country: U.S.A. ZIP: 77002

6. Total number of applications and patents involved

**1**

7. Total fee (37 CFR 3.41):.....\$ 40.00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

50-0591

12/14/2000 6TON11 00000007 09644595

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Jonathan P. Osha, Reg. No. 33,986

November 21, 2000

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and

**5**

**PATENT**

## ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

**SMITH INTERNATIONAL, INC.**

having the following address:

**16740 Hardy Street, Houston, Texas 77032**

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest for the United States of America (including without limitation its territories and possessions) in and to the invention known by the following title:

### **SEALED BEARING ROLLER CONE BIT HAVING ANTI-PLUGGING DEVICE.**

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all United States Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of ROSENTHAL & OSHA L.L.P. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

---

**ROSENTHAL & OSHA L.L.P.**

**PATENT  
REEL: 011331 FRAME: 0090**

IN WITNESS WHEREOF this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

11/7/00

Date

1<sup>st</sup> Inventor Signature:

Print or Type Name: Robert H. Slaughter Jr.

*Robert H. Slaughter Jr.*

2<sup>nd</sup> Inventor Signature:

Print or Type Name: ~~Fakhroldin M. Jadbabaei~~

~~*Fakhroldin M. Jadbabaei*~~

11/7/00

Date

3<sup>rd</sup> Inventor Signature:

Print or Type Name: Peter T. Cariveau

*Peter T. Cariveau*

11/7/00

Date

4<sup>th</sup> Inventor Signature:

Print or Type Name: Vincent W. Shotton

*Vincent W. Shotton*

11/7/00

Date

5<sup>th</sup> Inventor Signature:

Print or Type Name: Roger Didericksen

*Roger Didericksen*

This Assignment must be signed before a Notary Public for one of the States of the United States.

State of Oklahoma

County of Delaware

before me personally appeared:

Robert H. Slaughter Jr.

~~Fakhroldin M. Jadbabaei~~

1<sup>st</sup> Inventor

2<sup>nd</sup> Inventor

Peter T. Cariveau

Vincent W. Shotton

3<sup>rd</sup> Inventor

4<sup>th</sup> Inventor

Roger Diderickson

5<sup>th</sup> Inventor

6<sup>th</sup> Inventor

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: 11-2-00

*Susie Patison*  
Notary Public

My commission expires: 7-2-01

05516.076001.assignment.doc

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No. 09/644,595

Filing Date August 23, 2000

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

_____	1 <sup>st</sup> Inventor Signature: _____
Date	Print or Type Name: <u>Robert H. Slaughter Jr.</u>
_____	2 <sup>nd</sup> Inventor Signature: <u>F. M. Jadbabaei</u>
Date	Print or Type Name: <u>Fakhroldin M. Jadbabaei</u>
_____	3 <sup>rd</sup> Inventor Signature: _____
Date	Print or Type Name: <u>Peter T. Cariveau</u>
_____	4 <sup>th</sup> Inventor Signature: _____
Date	Print or Type Name: <u>Vincent W. Shotton</u>
_____	5 <sup>th</sup> Inventor Signature: _____
Date	Print or Type Name: <u>Roger Didericksen</u>

**This Assignment must be signed before a Notary Public for one of the States of the United States.**

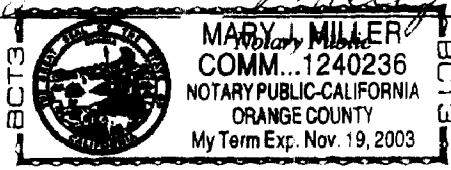
State of Calif  
 County of Orange

Before me personally appeared:

<u>Robert H. Slaughter Jr.</u> <small>1<sup>st</sup> Inventor</small>	<u>Fakhroldin M. Jadbabaei</u> <small>2<sup>nd</sup> Inventor</small>
<u>Peter T. Cariveau</u> <small>3<sup>rd</sup> Inventor</small>	<u>Vincent W. Shotton</u> <small>4<sup>th</sup> Inventor</small>
<u>Roger Didericksen</u> <small>5<sup>th</sup> Inventor</small>	<u>_____</u> <small>6<sup>th</sup> Inventor</small>

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: 11/14/00 \_\_\_\_\_ My commission expires: 11/19/03



**NOTARY PUBLIC**

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**When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:**

U.S. Application Serial No.: 09/644,595  
 Filing Date: August 23, 2000