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FORM PTO-1619A

Expires 06/30/99  
OMB 0651-0027U.S. Department of Commerce  
Patent and Trademark Office

PATENT

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## Conveying Party(ies)

☐ Mark if additional names of conveying parties attachedName (line 1) James L. LarsenName (line 2) Execution Date  
Month Day Year  
3 4 99

## Second Party

Name (line 1) Michael A. SirackiName (line 2) Execution Date  
Month Day Year  
3 5 99

## Receiving Party

☐ Mark if additional names of receiving parties attachedName (line 1) Smith International, Inc.Name (line 2) Address (line 1) 16740 Hardy St.Address (line 2) HoustonAddress (line 3) Houston TX USA 77032

City

State/Country

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## Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Wesley T. NoahAddress (line 1) Smith International, Inc.Address (line 2) 16740 Hardy St.Address (line 3) Houston, Texas USAAddress (line 4) 77032

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PATENT

REEL: 9821 FRAME: 0501

MRD 3-11-99

PTO  
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(40.00 CH)

**Correspondent Name and Address**

Area Code and Telephone Number

Name

Wesley T. Noah

Address (line 1)

Smith International, Inc.

Address (line 2)

16740 Hardy St.

Address (line 3)

Houston, Texas USA

Address (line 4)

77032

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# 2

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/266567

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
3 4 99

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT PCT PCT  
PCT PCT PCT

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:  
Deposit Account

Enclosed ☐ Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

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Wesley T. Noah

Name of Person Signing

Wesley T. Noah

Signature

3/11/99

Date

# ASSIGNMENT

WHEREAS, I, James L. Larsen, residing at 30334 Glenboro, Spring, Texas 77386 and Michael A. Siracki, residing at 162 W. Sterling Pond Cirle., Houston, Texas 77382 respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent titled

## ROCK BIT NOZZLE AND RETAINER ASSEMBLY

and executed by us of even date herewith,

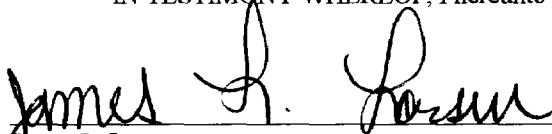
AND WHEREAS SMITH INTERNATIONAL, INC., A Delaware corporation, with a principal place of business at 16740 Hardy Street, Houston, Texas 77032, (hereinafter, together with any successors, legal representatives or assigns thereof, called "Assignee") wants to acquire the entire right, title and interest in and to said improvements and application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over to Assignee the entire right, title and interest in and to said improvements, and said application and all divisions, substitutes and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues and extensions thereof, and all priority rights under the International Convention for the protection of Industrial Property for every member country, and all applications for patents (Including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to Assignee in accordance with the terms of this assignment;

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to Assignee any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 4 day of March, 1999.

  
James L. Larsen

STATE OF Texas §  
COUNTY OF Harris §  
On 3/4, 1999, before the undersigned, a Notary Public for the State and County aforesaid, personally appeared James L. Larsen personally known to me, or proved to me on the basis of satisfactory evidence, to be the persons whose names are subscribed to the above assignment, and acknowledged that they executed it.



\* \* \* \* \*

  
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand this 5 day of MARCH, 19 99.

Michael A. Siracki

Michael A. Siracki

STATE OF Texas §  
COUNTY OF Harris §

On 3/5/, 19 99, before the undersigned, a Notary Public for the State and County aforesaid, personally appeared Michael A. Siracki personally known to me, or proved to me on the basis of satisfactory evidence, to be the persons whose names are subscribed to the above assignment, and acknowledged that they executed it.

Monica Landry  
Notary Public

\* \* \* \* \*

