

3-4-03

03-21-2003

EV 169612190 US  
Attorney Docket No.: 1030-22500

FORM PTO-1595

(Rev. 3/01) Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

102396126

U. S. DEPARTMENT OF COMMERCE

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

1. Name of conveying parties(ies):

- a. Zhou Yong
- b. Peter M. Davies
- c. Hubert W. Penka, Jr.
- d. Ernest L. Buford

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Smith International, Inc.  
16740 Hardy Street  
Houston, Texas 77032

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other \_\_\_\_\_

Execution Date: a. 02/14/2003; b. 02/17/2003;  
c. 02/17/2003; d. 02/02/2003

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s).

10379015

B. Patent No.(s).

Additional numbers attached? ☐ Yes ☒ No

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

Gregory L. Maag  
CONLEY ROSE, P.C.  
P. O. Box 3267  
Houston, Texas 77253-3267

6. Total number of application and patents involved: 17. Total fee (37 CFR 3.41) .....\$ 40.00

- ☐ Enclosed
- ☒ Authorized to be charged to deposit account

8. Deposit account number: 03-2769

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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

Gregory L. Maag, (32,363)

Name of Person Signing

Signature

Date

3/4/03

Total number of pages including cover sheet, attachments, and documents 6

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents &amp; Trademarks, Box Assignments

Washington, D. C. 20231

03/20/2003 TBIAZ1 00000084 032769 10379015

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PATENT  
REEL: 013859 FRAME: 0148

**ASSIGNMENT**

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to me by **SMITH INTERNATIONAL, INC.**, the receipt and sufficiency of which are hereby acknowledged, we, **ZHOU YONG, PETER M. DAVIES, HUBERT W. PENKA, JR. and ERNEST L. BUFORD** ("ASSIGNORS"), having made an invention in **DRILL BIT AND CUTTER HAVING INSERT CLUSTERS AND METHOD OF MANUFACTURE**, while in the employ either as employees or consultants 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"), hereby **ASSIGN, SELL and CONVEY** to said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in **DRILL BIT AND CUTTER HAVING INSERT CLUSTERS AND METHOD OF MANUFACTURE**;
2. United States of America patent application on said invention, filed concurrently herewith (Attorney's File No. 1030-22500; Express Mail No. EV 169612190 US, entitled **DRILL BIT AND CUTTER HAVING INSERT CLUSTERS AND METHOD OF MANUFACTURE**;
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 divisionals, 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 of 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 at the place and on the date indicated below, opposite our signatures.

ASSIGNORS

Date: 02-14-03

Zhou Yong  
ZHOU YONG

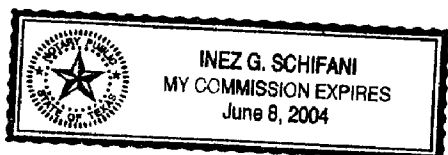
Executed at: \_\_\_\_\_

THE STATE OF TEXAS           §  
  §  
COUNTY OF HARRIS         §

BEFORE ME, the undersigned authority, on this day personally appeared **ZHOU YONG**, 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 14<sup>th</sup> day of February, 2003.

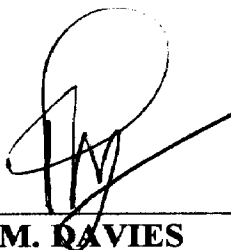
[S E A L]



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

My Commission Expires: 6/8/04

\*\*\*\*\*



Date: February 17, 2003

**PETER M. DAVIES**

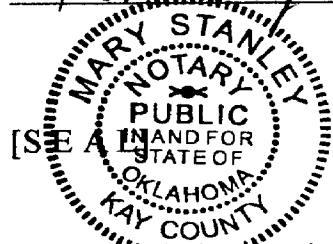
Executed at: SMITH TOW, PONCE CITY

THE STATE OF Oklahoma §

COUNTY OF Kay §

BEFORE ME, the undersigned authority, on this day personally appeared **PETER M. DAVIES**, 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 17<sup>th</sup> day of February, 2003.



Mary Stanley  
Notary Public in and for  
the State of Oklahoma

My Commission Expires: 5-18-05

Commission No. 01006768

My Comm. Expires 5-18-05

Date: 2-17-03

Hubert W. Penka, Jr.  
**HUBERT W. PENKA, JR.**

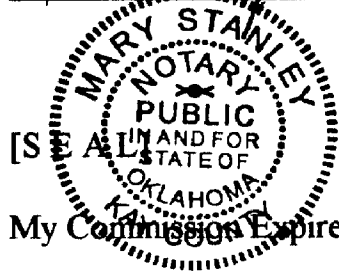
Executed at: Smith Tool

THE STATE OF Oklahoma §

COUNTY OF KAY §

BEFORE ME, the undersigned authority, on this day personally appeared **HUBERT W. PENKA, JR.** 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 17<sup>th</sup> day of February, 2003.



Mary Stanley  
 Notary Public in and for  
 the State of Oklahoma

My Commission Expires: 5-18-05

Commission No. 01006768  
 My Comm. Expires 5-18-05

Date: 2 FEBRUARY 2003 *Ernest L. Buford*  
**ERNEST L. BUFORD**  
 Executed at: SMITH TOOL, PONCA CITY

THE STATE OF Oklahoma §  
 COUNTY OF Kay §

BEFORE ME, the undersigned authority, on this day personally appeared **ERNEST L. BUFORD**, 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 17th day of February, 2003.

[SEAL: MARY STANLEY, NOTARY PUBLIC, IN AND FOR STATE OF OKLAHOMA, KAY COUNTY]  
 My Commission Expires: 5-18-05  
 Commission No. 01006768  
 My Comm. Expires 5-18-05

*Mary Stanley*  
 Notary Public in and for  
 the State of Oklahoma