

07-14-2000

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To the Honorable Commissioner of Patents and Trademarks, attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Amardeep SINGH and Sujian HUANG

## 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.: TXCountry: USA ZIP: 77032Execution Date: May 30, 2000 and May 31, 2000

Additional name(s) &amp; 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: 05/30/00 & 05/31/00

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers

☐ Yes ☒ No

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

Name: Richard A. FaginRegistration No. 39,182Address: ROSENTHAL & OSHA L.L.P.700 Louisiana, Suite 4550City: Houston, State/Prov.: TXCountry: USA 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:

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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.

Richard A. Fagin, Reg. No. 39,182

Name of Person Signing

Signature

June 14, 2000

Date

4

Total number of pages including cover sheet, attachments, and

PATENT

REEL: 010907 FRAME: 0433

## **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:

### **FLAT PROFILE CUTTING STRUCTURE FOR ROLLER CONE DRILL BITS**

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.

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

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

5/30/2000

Date

1<sup>st</sup> Inventor Signature: Amardeep Singh  
Print or Type Name: Amardeep SINGH

5/31/2000

Date

2<sup>nd</sup> Inventor Signature: Sujian Huang  
Print or Type Name: Sujian HUANG

Date

3<sup>rd</sup> Inventor Signature: \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

Date

4<sup>th</sup> Inventor Signature: \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

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

**NOTARY PUBLIC**

State of Texas

County of HARRIS

Before me personally appeared:

Amardeep SINGH

1<sup>st</sup> Inventor

Sujian HUANG

2<sup>nd</sup> Inventor

3<sup>rd</sup> Inventor

4<sup>th</sup> Inventor

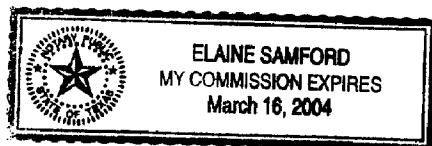
each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: 5/31/00

Elaine Samford  
Notary Public

My commission expires: 3/16/04

Document3



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.:*

*Filing Date:*

**ASSIGNMENT – WORLDWIDE**

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

**RECORDED: 06/14/2000**

**PATENT  
REEL: 010907 FRAME: 0435**