

09-11-2002

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

1. Name of conveying party(ies):

Brian CRUICKSHANK  
Charles DEWEY  
Wei XU

9.9.02

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

Name: SMITH INTERNATIONAL, INC.

Address: 16740 Hardy Street, P.O. Box 60068

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: 07/10/2002

City: Houston State/Prov.: TX

Country: ZIP: 77032

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

4. Application number(s) or patent 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)
10/176,595	6/21/2002	

Additional numbers  Yes  No

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

Name: Jonathan P. Osha

Registration No. 33,986

Address: ROSENTHAL & OSHA L.L.P.

One Houston Center, Suite 2800

1221 McKinney St.

City: Houston State/Prov.: TX

Country: USA ZIP: 77010

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

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

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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.

Jeffrey S. Bergman, Reg. 45,925

Name of Person Signing

Jeffrey S. Bergman

Signature

8/29/2002

Date

Total number of pages including cover sheet, attachments, and

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FINANCE SECTION

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## 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, P. O. Box 60068, Houston, Texas 77032**

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

### **WHIP RETRIEVAL METHOD AND APPARATUS,**

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 Letters Patent (domestic and foreign) that 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 that 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 that 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 that may be necessary to obtain the grant of valid and enforceable patents 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 that 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.**

**PATENT  
REEL: 013265 FRAME: 0408**

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

7-10-02  
Date  
1<sup>st</sup> Inventor Signature: [Signature]  
Print or Type Name: Brian CRUICKSHANK

7-10-02  
Date  
2<sup>nd</sup> Inventor Signature: [Signature]  
Print or Type Name: Charles DEWEY

7-10-02  
Date  
3<sup>rd</sup> Inventor Signature: [Signature]  
Print or Type Name: Wei XU

\_\_\_\_\_  
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**

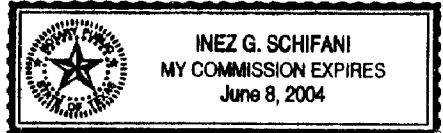
State of **TEXAS**  
County of **HARRIS**

Before me personally appeared: Brian CRUICKSHANK Charles DEWEY  
1<sup>st</sup> Inventor 2<sup>nd</sup> Inventor  
Wei XU \_\_\_\_\_  
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: 7-10-02  
[Signature]  
Notary Public My commission expires: 6-8-04

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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. Provisional Serial No.: No. 60/300,763  
Filing Date: June 25, 2001  
U.S. Utility Application Serial No.: 10/176,595  
Filing Date: June 21, 2002