


Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings ⇨ ⇨ ⇨	RECORDATION FORM COVER SHEET PATENTS ONLY	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): Christopher H. Weis Ronald K. Eyre Stewart N. Middlemiss David Iverson Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Smith International, Inc.</u> Internal Address: <u>Patent Services</u> _____ _____ Street Address: <u>19740 Hardy Street</u> _____ City: <u>Houston</u> State: <u>TX</u> Zip: <u>77032</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>06/01/04</u>		
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) <u>10/858,662</u> _____ B. Patent No.(s) _____ _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Y. Renee Alsandor</u> Internal Address: <u>Smith International, Inc.</u> _____ _____ Street Address: <u>16740 Hardy Street</u> _____ City: <u>Houston</u> State: <u>TX</u> Zip: <u>77032</u>	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>192745</u>	
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9. Signature. <u>Y. Renee Alsandor</u>  <u>8/12/04</u> Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and documents: 3		

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Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

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:

METHODS FOR MANUFACTURING ULTRAHARD COMPACTS

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 SMITH INTERNATIONAL, INC. 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.

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

6/1/04
Date

1st Inventor Signature:

Christopher H. Weis

Print or Type Name:

Christopher H. Weis

6/1/04
Date

2nd Inventor Signature:

Ronald K. Eyre

Print or Type Name:

Ronald K. Eyre

6/1/04
Date

3rd Inventor Signature:

Stewart N. Middlemiss

Print or Type Name:

Stewart N. Middlemiss

6/1/04
Date

4th Inventor Signature:

David Iverson

Print or Type Name:

David Iverson

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

Notary Public

State of: Utah
County of: Utah

Before me personally appeared

Christopher H. Weis
1st Inventor

Ronald K. Eyre
2nd Inventor

Stewart N. Middlemiss
3rd Inventor

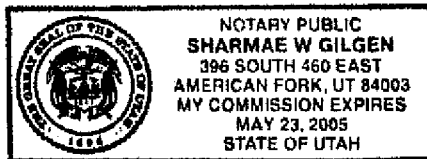
David Iverson
4th Inventor

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: June 1, 2004

Sharmae W. Gilgen

Notary Public My Commission expires: May 23, 2005



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.: 10/858,662
Filing Date: 06/01/04