

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Georgiy Voronin	01/14/2008
J. Daniel Belnap	01/15/2008
RECEIVING PARTY DATA	
Name:	Smith International, Inc.
Street Address:	16740 Hardy Street
City:	Houston
State/Country:	TEXAS
Postal Code:	77032
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11971891
CORRESPONDENCE DATA	
Fax Number:	(213)687-0498
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	213-787-2500
Email:	skemp@cblh.com
Correspondent Name:	Connolly Bove Lodge & Hutz LLP
Address Line 1:	333 South Grand Avenue, Suite 2300
Address Line 4:	Los Angeles, CALIFORNIA 90071
NAME OF SUBMITTER:	Shelia Kemp
Total Attachments: 2 source=70239-00089-Assign#page1.tif source=70239-00089-Assign#page2.tif	

CH \$40.00 11971891

500554754

PATENT
REEL: 021027 FRAME: 0533

ASSIGNMENT OF PATENT APPLICATION

(1-8)	Insert name(s) of inventors(s)	(1) Georgiy VORONIN (2) J. Daniel BELNAP
		In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to
(9)	Insert name of Assignee	(9) SMITH INTERNATIONAL, INC.
(10)	Insert state of incorporation of Assignee	(10) Delaware
(11)	Insert address of Assignee	(11) 16740 Hardy Street Houston, Texas 77032 US
		(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as
(12)	Insert identification of invention, such as title, case number or foreign application number	(12) ULTRA-HARD AND METALLIC CONSTRUCTIONS COMPRISING IMPROVED BRAZE JOINT U.S. Patent Application Serial No <u>11/971,891</u> Filed: <u>January 9, 2008</u>
(13)	Insert date of signing of application	(13) _____, 2007

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the international Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

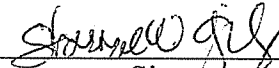
5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grants the attorneys of CUSTOMER NO. 24,574: GRANT T. LANGTON, Reg. No. 39,739, ROD S. BERMAN, Reg. No. 31,483, BERNARD R. GANS, Reg. No. 27, 443, GEORGE G. C. TSENG, Reg. No. 41,355, STEVEN R. HANSEN, Reg. No. 39,214, BRENNAN C. SWAIN, Reg. No. 43,175 and MICHELLE KIM, Reg. No. 51,881 of JEFFER, MANGELS, BUTLER & MARMARO LLP, 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 & Trademark Office for recordation of this Assignment.

01/14/08

Date


Signature of **Georgiy VORONIN**



Signature of Witness


Sharmee W. Gilgen

(Printed Name of Witness)

1/15/08

Date


Signature of **J. Daniel BELNAP**



Signature of Witness

Sharmee W. Gilgen

(Printed Name of Witness)