### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Serial Number from 11880671 to 11550671 previously recorded on Reel 019070 Frame 0524. Assignor(s) hereby confirms the Serial Number of the executed Assignment Document.

### **CONVEYING PARTY DATA**

Name	Execution Date
Ronald K. Eyre	03/08/2007
Terry Lee Woodruff	03/14/2007
Loel Gene Corbett	03/22/2007

#### **RECEIVING PARTY DATA**

Name:	Smith International, Inc.
Street Address:	1310 Rankin Road
City:	Houston
State/Country:	TEXAS
Postal Code:	77073

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11550671

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	70239-00065
NAME OF SUBMITTER:	Grant T. Langton

PATENT REEL: 024971 FRAME: 0672 OF \$40.00 115506/1

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# Total Attachments: 7 source=11550671\_Assignment#page1.tif source=11550671\_Assignment#page2.tif source=11550671\_Assignment#page3.tif source=11550671\_Assignment#page4.tif source=11550671\_Assignment#page5.tif source=11550671\_Assignment#page6.tif source=11550671\_Assignment#page7.tif

# 03/26/2007 700317397

Attorney Docket: 63833-5092

Form PTO-1595 (Rev. 07/05) OMB No. 0661-0027 (exp. 6/30/2008)	U.S. DEPARTMENT OF COMMERCE United States Palent and Trudemark Office
<b>\$</b>	ORMI COVER SHEET
THE	SONLY
To the Director of the U.S. Patent and Trademark Office: Please	se record the attached documents or the new address(es) below.
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
Ronald K. EYRE Terry Lee WOODRUFF	Name: SMITH INTERNATIONAL, INC.
Loef Gene CORBETT	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes No	Street Address: _16740 Hardy Street
Execution Date(s) March 8, 14,8, 22, 2007	4° 4 N MA Amada HIP - N HIP AN HALL SEPT-
Assignment Merger	
Security Agreement Change of Name	City: Houston
Joint Research Agreement	State. Texas
Government Interest Assignment	Country: US Zip: 77032
Executive Order 9424, Confirmatory License	Zip. 77032
Other	Additional name(s) & address(es) attached? Yes 🗹 No
	document is being filed together with a new application.
A. Patent Application No.(\$) 11/880,671, Filed October 18, 2006	B. Patent No.(s)
7,100,000	·
Additional numbers att	ached? []YesNo
<ol><li>Name and address to whom correspondence concerning document should be mailed;</li></ol>	6. Total number of applications and patents involved:
Name: Grant T. Langton, Esq.	7. Total fee (37 CFR 1.21(h) & 3.41) \$
Internal Address: 7th Floor	Authorized to be charged by credit card
TO FILL THE REPORT OF THE WORLD AND ADDRESS OF THE PROPERTY OF	✓ Authorized to be charged to deposit account
Street Address: 1900 Avenue of the Siters	Enclosed
	None required (government interest not affecting title)
City: Los Angeles	8. Payment Information
State: California Zip: 90067-4308	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: (310) 203,8080	
Fax Number: (310) 203.0567	b. Deposit Account Number 10-0440
Email Address: patentdocket@jmbm.com	Authorized User Name <u>Grant T. Langton, Esq.</u>
9. Signature:	March 28, 2007
Signature	Date
Grant T. Langton Name of Person Signing	Total number of pages including cover 6 sheet, attachments, and documents; 6

Deciments to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

# ASSIGNMENT OF PATENT APPLICATION

(1-8) Insert name(s) of inventors(s)		(1) Ronald K. EYRE
	mventors(s)	(2) Terry Lee WOODRUFF
		(3) Loel Gene CORBETT
		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	(12) NONDESTRUCTIVE METHOD OF MEASURING A
	identification of	REGION WITHIN AN ULTRA-HARD POLYCRYSTALLINE CONSTRUCTION
	invention, such as title, case number	TOLICKISTALLINE CONSTRUCTION
	or foreign	U.S. Utility Patent Application
	application number	Serial No. 11/550,671, Filed October 18, 2006
(13)	Insert date of signing of application	(13) March 8, 14 & 22, 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, BRIAN KASELL, Reg. No. 33,522, MICHELLE C. KIM, Reg. No. 51,881, ROBERT E. LYON, Reg. No. 24,171, DOUGLAS N. LARSON, Reg. No. 29,401 and BRENNAN SWAIN, Reg. No. 43,175 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.

3/8/07	Rould K. Eyr	Starraelo AS
Date	Signature of Ronald K/Eyre	Signature of Witness
		Sharmae W. Gilgen
		(Printed Name of Witness)
Date	Signature of Terry Lee Woodruff	Signature of Witness
		(Printed Name of Witness)

- 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.
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Date	Signature of Ronald K. Eyre	Signature of Witness
		(Printed Name of Witness)
MARICH 14, 2007 Date	Signature of Terry Lee Woodruff	Sherry Fields Signature of Witness
		Sherry Fields (Printed Name of Witness)

Sharmae W. Gilgen
(Printed Name of Witness)

PATENT

**REEL: 024971 FRAME: 0678** 

**RECORDED: 09/10/2010**