

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Yuelin Shen	10/13/2010
Youhe Zhang	10/12/2010
RECEIVING PARTY DATA	
Name:	Smith International, Inc.
Street Address:	1310 Rankin Road
City:	Houston
State/Country:	TEXAS
Postal Code:	77073
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	61250813
Application Number:	12903081
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	70239-00209
NAME OF SUBMITTER:	Grant T. Langton

Total Attachments: 2
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**PATENT
 REEL: 025212 FRAME: 0969**

OP \$80.00 61250813

ASSIGNMENT OF PATENT APPLICATION

(1-2) Insert name(s) of inventor(s)	(1) Yuelin SHEN (2) Youhe ZHANG
	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
(3) Insert name of Assignee	(3) SMITH INTERNATIONAL, INC.
(4) Insert state of incorporation of Assignee	(4) Delaware
(5) Insert address of Assignee	(5) 1310 Rankin Road Houston, Texas 77073 (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as
(6) Insert identification of invention, such as title, case number or foreign application number	(6) DIAMOND BONDED CONSTRUCTION WITH REATTACHED DIAMOND BODY U.S. Provisional Patent Application No. 61/250,813 Filed October 12, 2009 U.S. Nonprovisional Patent Application 12/903,081 Filed October 12, 2010

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.

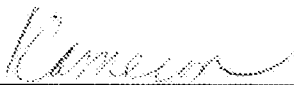
4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

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.

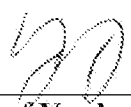
6) The undersigned hereby grants GRANT T. LANGTON, Reg. No. 39,739, of CONNOLLY BOVE LODGE & HUTZ LLP, and the attorneys of CUSTOMER NO. 58688, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent & Trademark Office for recordation of this Assignment.

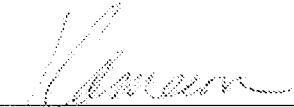
10/13/10
Date


(3) Signature of **Yuelin SHEN**


Signature of Witness
Inez Cameron
(Printed Name of Witness)

10/12/10
Date


(4) Signature of **Youhe ZHANG**


Signature of Witness
Inez Cameron
(Printed Name of Witness)