

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Madapusi K. Keshavan</td> <td>08/15/2005</td> </tr> <tr> <td>Youhe Zhang</td> <td>07/28/2005</td> </tr> <tr> <td>Yuelin Shen</td> <td>07/28/2005</td> </tr> <tr> <td>Anthony Griffo</td> <td>08/11/2005</td> </tr> <tr> <td>Michael Janssen</td> <td>08/11/2005</td> </tr> </tbody> </table>		Name	Execution Date	Madapusi K. Keshavan	08/15/2005	Youhe Zhang	07/28/2005	Yuelin Shen	07/28/2005	Anthony Griffo	08/11/2005	Michael Janssen	08/11/2005
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RECEIVING PARTY DATA													
Name:	Smith International, Inc.												
Street Address:	16740 Hardy Street												
City:	Houston												
State/Country:	TEXAS												
Postal Code:	77032												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13676070</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13676070								
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CORRESPONDENCE DATA													
Fax Number:	2136870498												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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NAME OF SUBMITTER:	Grant T. Langton												

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Signature:	/Grant T.Langton/
Date:	09/11/2013
Total Attachments: 3 source=70239_00247_Executed_Assignment#page1.tif source=70239_00247_Executed_Assignment#page2.tif source=70239_00247_Executed_Assignment#page3.tif	

ASSIGNMENT OF PATENT APPLICATION

(1-8)	Insert name(s) of inventors(s)	(1) Madapusi K. KESHAVAN (2) Youhe ZHANG (3) Yuelin SHEN	(4) Anthony GRIFFO (5) Michael JANSSEN
		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) POLYCRYSTALLINE DIAMOND MATERIALS HAVING IMPROVED ABRASION RESISTANCE, THERMAL STABILITY AND IMPACT RESISTANCE Serial No. 11/140,615	
(13)	Insert date of signing of application	(13) July 28, 2005, August 11, 2005 and August 15, 2005	

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.

Assignment of Patent Application Page 1 of 3

PAGE 14/16 * RCVD AT 8/26/2005 8:28:06 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-8/26 * DNIS:2738300 * CSID:1 310 203 0567 * DURATION (mm-ss):04-24

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REEL: 016920 FRAME: 0977

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REEL: 031183 FRAME: 0293

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 SWAIN, Reg. No. 43,175, and MICHELLE C. 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.

8/15/05 _____
Date Signature of Madapusi K. KESHAVAN
Signature of Witness

Tnez Cameron
(Printed Name of Witness)

7/28/05 _____
Date Signature of Youhe ZHANG

Tnez Cameron
(Printed Name of Witness)

Assignment of Patent Application Page 2 of 3

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PATENT
REEL: 016920 FRAME: 0978

PATENT
REEL: 031183 FRAME: 0294

7/28/2005
Date
[Signature]
Signature of Yuelin SHEN

[Signature]
Signature of Witness

Idez Cameron
(Printed Name of Witness)

8/11/05
Date
[Signature]
Signature of Anthony GRAFFO

[Signature]
Signature of Witness

Idez Cameron
(Printed Name of Witness)

8/11/05
Date
[Signature]
Signature of Michael JANSSEN

[Signature]
Signature of Witness

Idez Cameron
(Printed Name of Witness)

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Assignment of Patent Application Page 3 of 3

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RECORDED: 08/26/2005

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