
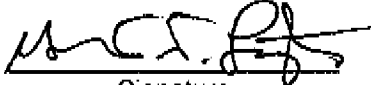


Form PTO-1595 (Rev. 10/02) NOV 12 2003 OMB No. 0651-0027 (exp. 6/30/2005) Tab settings: 62333 5027		<b>RECORDATION FOR PATENT</b>		11-19-2003  102603802		DEPT. OF COMMERCE and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.							
1. Name of conveying party(ies): Madapusi K. Keshayan Anthony Griffo Alysia C. White  Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				2. Name and address of receiving party(ies) Name: <u>Smith International, Inc.</u> Internal Address: _____ _____ _____ Street Address: <u>16740 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 Dates: <u>October 6, 2003 and October 13, 2003</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>10/460,345</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>Grant T. Langton, Esq.</u> Internal Address: <u>JEFFER, MANGELS, BUTLER &amp; MARMARO LLP</u> _____ _____ Street Address: <u>1900 Avenue of the Stars</u> <u>Seventh Floor</u> City: <u>Los Angeles</u> State: <u>Century City</u> Zip: <u>90067</u>				6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: _____ (Attach duplicate copy of this page if paying by deposit account)			
<b>DO NOT USE THIS SPACE</b>							
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;"> <u>Grant T. Langton</u>              Name of Person Signing           </div> <div style="text-align: center;">               Signature           </div> <div style="text-align: center;"> <u>11-12-03</u>              Date           </div> </div> <div style="text-align: right; margin-top: 10px;">             Total number of pages including cover sheet, attachments, and documents: <u>7</u> </div>							

Mail documents to be recorded with required cover sheet information to:

Filed together with a new patent application to:  
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700096761

**PATENT**  
**REEL: 014821 FRAME: 0449**

**Practitioner's Docket No. 63833-5027**

***PATENT***

For: U.S. Rights and Foreign Rights  
For: U.S. Application  
By: Inventors

**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNORS:**

Madapusi K. Keshavan  
The Woodlands, TX 77382  
US

Nationality: US

Anthony Griffo  
70 N. Acacia Park Circle  
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832 Pebble Beach Dr.  
Upland CA 91784  
US

Nationality: US

Michael A. Siracki  
162 West Sterling Pond Circle  
The Woodlands TX 77382  
US

Nationality: US

hereby sell, assign and transfer to

**ASSIGNEE:**

Smith International, Inc.  
16740 Hardy Street  
Houston, TX 77032  
State or Country of Formation: Delaware

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

**ORDERED ELASTOMERIC COMPOSITE MATERIAL**

and which is found in (37 C.F.R. Section 3.21) U.S. application no. 10/460,345 filed on June 11, 2003 and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

///  
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ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this 13 day of October 2003.

Date: \_\_\_\_\_  
Signature of Madapusi K. Keshavan

Date: \_\_\_\_\_  
Signature of Anthony Griffo

Date: \_\_\_\_\_  
Signature of Alysia C. White

Date: \_\_\_\_\_  
Signature of Robert Denton

Date: 10-13-03 Patricia Heel 10-13-03  
Signature of Patricia Heel

Date: 10-13-03 Leroy N. Tinkham 10-13-03  
Signature of Leroy N. Tinkham

Date: \_\_\_\_\_  
Signature of Michael A. Siracki

**ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of San Bernardino } ss.On October 13, 2003 before me, Tracey L. Van Noy,  
(DATE) (NOTARY)  
personally appeared Leroy n. Tinkham and Patricia Heel  
SIGNER(S)

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Tracey L. Van Noy  
NOTARY'S SIGNATURE

**OPTIONAL INFORMATION**

The information below is not required by law. However, it could prevent fraudulent attachment of this acknowledgment to an unauthorized document.

**CAPACITY CLAIMED BY SIGNER (PRINCIPAL)**

☒ INDIVIDUAL  
☐ CORPORATE OFFICER

TITLE(S)

☐ PARTNER(S)  
☐ ATTORNEY-IN-FACT  
☐ TRUSTEE(S)  
☐ GUARDIAN/CONSERVATOR  
☐ OTHER: \_\_\_\_\_

**DESCRIPTION OF ATTACHED DOCUMENT**

Declaration of Inventions  
 TITLE OR TYPE OF DOCUMENT

3  
 NUMBER OF PAGES

October 13, 2003  
 DATE OF DOCUMENT

**SIGNER IS REPRESENTING:**  
 NAME OF PERSON(S) OR ENTITY(IES)

OTHER


ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this 6<sup>th</sup> day of October, 2003.

Date: 10-6-03

  
Signature of Madapusi K. Keshavan

Date:

  
Signature of Anthony Griffo

Date: 10-6-03

  
Signature of Alysia C. White

Date: 10-6-03

  
Signature of Robert Denton

Date: 10-06-03

Signature of Patricia Heel

Date:

Signature of Leroy N. Tinkham

Date: 10-6-03

  
Signature of Michael A. Siracki

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

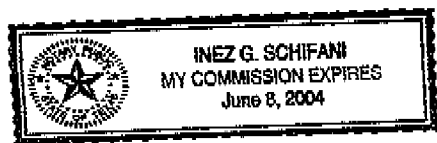
Details of Country

United States of America

and place of signing of assignment

Texas

Before me this 6<sup>th</sup> day of October 2003, personally appeared the above named individuals, to me known to be the persons who are described in, and who executed the foregoing assignment instrument and acknowledged to me that they executed the same of their own free will for the purpose therein expressed.



Inez G. Schifani  
Notary Public or Consular Officer of the  
United States of America