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To the Honorable Commissioner of Patents and Trademarks: riease record the attached original

documents or copies thereof. 1 Name of conveying party(ies): 2 Name and address of receiving party(ies) Robert W Bickes, Jr. and SANDIA CORPORATION Lloyd L. Honzon Patent & Licensing, 11500 Mail Stop - 0161 P O. Box 5800 Albuquerque, State: NM Zl<sup>2</sup>:87185-0161 Additional name(s) of conveying party(ies) attached? Yes X No. 3 Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Assignment & Confirmatory License\_\_\_\_ Execution Date: 6/8/98 and 6/10/98Additional name(s) & addre stes) at ached? Yes X No 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) B Patent No.(s) 09/052,762 Filed: 3/31/98 Issued: X No Additional numbers attached? Tes 5 Name and address of party to whom correspondence 6 Total number of applications and patents concerning document should be mailed: involved: one (1) Name: Timothy D. Stanley Sandia National Laboratories 7 Total fee (37 CFR 3 41) \$40.00 ( Internal Address: Patent & Licensing, 11500 Enclosed Mail Stop 0161 X Authorized to be charged to deposit account Street Address: P. O. Box 5800 8 Deposit Account number 19-0131 City: Albuquerque State: NM ZIP: 87185-0161 (Attach duplicate copy of this page if paying by account) DO NOT USE THIS SPACE 9 Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any a tached copy is a true copy of the original document. Timothy D. Stanley Total number of pages including cover street, attachments, and document: 3 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

PATENT REEL: 9692 FRAME: 0462

## **ASSIGNMENT**

WHEREAS, Robert W. Bickes, Jr., Lloyd L. Bonzon, Robert A. Benham, Floyd H. Braaten. Jr., of Albuquerque, New Mexico, has(have) made an invention relating to EXPLOSIVE SCABBLING OF STRUCTURAL MATERIALS in the course of the work authorized by Contract DE-AC04-94AL85000 between SANDIA CORPORATION and the UNITED STATES DEPARTMENT OF ENERGY, said invention being disclosed and claimed in an application for United States patent, identified as DOE Docket No: S-87,536 duly executed by said inventors on June 8, 1998, and June 10, 1998; and

WHEREAS Inventor(s), in consideration of employment by Sandia Corporation, has(have) agreed, among other things, to assign to Sandia Corporation, its successors and assigns, all rights to inventions, discoveries, or improvements made or conceived in the course of their employment; and

WHEREAS, the Government of the United States, as represented by the U.S. Department of Energy has granted a waiver of Government rights in the above-identified invention to Sandia Corporation under Class Waiver W(C)93-012, effective October 1, 1993; and

THEREFORE, Inventor(s) hereby sells, assigns, and transfers unto Sand a Corporation their entire right, title, and interest in and to said invention and in and to all resulting patents, wherever they may be granted, as well as reissues or extensions of said patents.

Inventor(s) covenants with Sandia Corporation that, except for the rights, if any, of the Government, his/her interest in the rights and property herein conveyed is free and clear of any encumbrance and that they have full right to convey the same as herein expressed. They agree, at the request of Sandia corporation, to make, execute, and deliver to Sandia Corporation, the Government, or other party prosecuting patent applications on this invention, any and all papers, documents, affidavits, applications, statements or other instruments relating to said invention, take all rightful oaths and do all acts as may reasonably be required of them in or incident to the prosecution of any or all applications on said invention or in the adjustment or settlement of any interferences or other actions or proceedings that said applications or patents thereon may encounter or in which they may become involved.

PATENT REEL: 9692 FRAME: 0463

Signed at Albuquerque, New Mexico.	
the Mit Deharch	Date: 6/8/98
Robert W. Bickes, Jr.	
Kloud & S	Date: 6/8/98
Lloyd L. Bonzon	2 <b></b>
Habert A. Berhan	Date: 6/10/95
Robert A. Benham	
Floyd H. Braaten, Jr.	Date: $U_1 S/28$
1 loyd H. Braatch, Jr.	
STATE OF NEW MEXICO ) ) ss:	
COUNTY OF BERNALILLO )	
On the dates indicated above personally appeare Robert W. Bickes, Jr., Lloyd L. Bonzon, Robert known to be the individual(s) described in and wacknowledged to me that they executed the same.  Approved and consented to this day of	A. Benham, and Floyd H. Braaten, Jr., to me tho executed the foregoing instrument, and who Notary Public
	SANDIA CORPORATION
	Timothy D. Stanley
	Chief Patent Counsel
	Patent and Licensing Office, MS 0161

RECORDED: 01/14/1999

PATENT REEL: 9692 FRAME: 0464