

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Iowa State University Research Foundation, Ind. | 06/21/2011 |
| RECEIVING PARTY DATA | |
| Name: | U.S. Department of Energy |
| Street Address: | 1000 Independence Avenue, S.W. |
| Internal Address: | GC-62, 6F-048 |
| City: | Washington |
| State/Country: | DISTRICT OF COLUMBIA |
| Postal Code: | 20585-0162 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Patent Number: | 5922628 |
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| NAME OF SUBMITTER: | Katherine Baldwin |
| Total Attachments: 1 source=5922628-ExecutedAssignment#page1.tif | |

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PATENT
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ASSIGNMENT TO THE GOVERNMENT

PATENT NO.: 5,922,628

ISSUE DATE: July 13, 1999

SERIAL NO.: 09/028,591

FILING DATE: February 23, 1998

INVENTORS: Thomas J. Barton, Iver E. Anderson, Sina Ijadi-Maghsoodi, Mohammad Nosrati and Ozer Unal

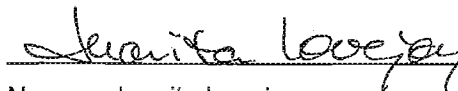
TITLE: Low temperature joining of ceramic composites (DOE #S-90,158)

Iowa State University Research Foundation, Inc., is the owner by assignment of the entire, right title and interest in the above-identified invention as supported by the assignment recorded in the U.S. Patent and Trademark Office at Reel 014921 and Frame 0847, recorded on July 29, 2004.

Iowa State University Research Foundation, Inc., hereby transfers to The United States Government, as represented by the United States Department of Energy, the entire right, title, and interest in and to the said invention and in and to any and all Letters Patents wherever they may be granted thereon as well as reissues and extensions of said Letters Patent, the same to be held and enjoyed by the said Government of the United States or its assigns to the full end of the term or terms for which Letters Patents are or may be granted, reissued, or extended, as fully and entirely as the same would have been held or enjoyed by us had this assignment not been made.

APPROVED, ACCEPTED AND CONSENTED TO this 21st day of June, 2011

Iowa State University Research Foundation, Inc.

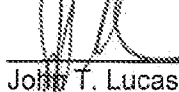


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Title: Interim Executive Director

ACCEPTED on behalf of the Government of the United States.

United States Department of Energy



John T. Lucas

Assistant General Counsel for

Technology Transfer and Intellectual Property