09/09/2013 502488308

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| John E. Gamier | 09/06/2013 |
| George W. Griffith | 09/06/2013 |

RECEIVING PARTY DATA

| Name: | Advanced Ceramic Fibers, LLC | |
|-----------------|--|--|
| Street Address: | 2300 N. Yellowstone Highway, Suite 210 | |
| City: | Idaho Falls | |
| State/Country: | IDAHO | |
| Postal Code: | 83401 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12901326 |

CORRESPONDENCE DATA

Fax Number: 8013281707

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 8015339800

Email: docketing@wnlaw.com Correspondent Name: Matthew D. Todd

Address Line 1: 60 E South Temple, Suite 1000 Address Line 4: Salt Lake City, UTAH 84111

| ATTORNEY DOCKET NUMBER: | 19910.1 |
|-------------------------|---------------------------------|
| NAME OF SUBMITTER: | Matthew D. Todd, Reg. No. 57928 |
| Signature: | /Matthew D. Todd 57928/ |
| Date: | 09/09/2013 |

REEL: 031168 FRAME: 0184

PATENT

Total Attachments: 4

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PATENT REEL: 031168 FRAME: 0185

| RECORDATION FORM COVER SHEET PATENTS ONLY | | |
|--|---|--|
| To the Director of the U.S. Patent and Trademark Office: Pleas | e record the attached documents or the new address(es) below. | |
| Name of conveying party(ies) John E. Garnier | 2. Name and address of receiving party(ies) Name: Advanced Ceramic Fibers, LLC | |
| George W. Griffith | Internal Address: | |
| Additional name(s) of conveying party(ies) attached? Yes No. 3. Nature of conveyance/Execution Date(s): Execution Date(s) 09/06/2013 | Street Address: 2300 N. Yellowstone Highway, Suite 210 | |
| Assignment Merger Security Agreement Change of Name | City: Idaho Falls | |
| Joint Research Agreement | State: ID | |
| Government Interest Assignment Executive Order 9424, Confirmatory License | Country: US Zip: 83401 | |
| Other | Additional name(s) & address(es) attached? Yes No | |
| 4. Application or patent number(s): | document serves as an Oath/Declaration (37 CFR 1.63). B. Patent No.(s) | |
| 12/901326 | - should Was 1999 No. | |
| Additional numbers at 5. Name and address to whom correspondence | ached? Yes No 6. Total number of applications and patents | |
| concerning document should be mailed: | involved: | |
| Name: Matthew D. Todd | 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 | |
| Internal Address: | | |
| | Authorized to be charged to deposit account | |
| Street Address: 60 E South Temple, Suite 1000 | Enclosed | |
| | None required (government interest not affecting title) | |
| City: Salt Lake City | 8. Payment Information | |
| State: UT Zip: 84111 | | |
| Phone Number: 801-533-9800 | Deposit Account Number 233178 | |
| Docket Number: 19910.1 | Authorized User Name Matthew D. Todd | |
| Email Address:_docketing@wnlaw.com | Authorized User Name | |
| 9. Signature: /Matthew D. Todd 57928/ | C | |
| A! . | September 9, 2013 | |
| Signature Matthew D. Todd, Reg. No. 57928 | Date Total number of pages including sever | |
| Signature Matthew D. Todd, Reg. No. 57928 Name of Person Signing | | |

PATENT REEL: 031168 FRAME: 0186 Workman Nydegger 1000 Eagle Gate Tower 60 East South Temple Salt Lake City, Utah 84111

ASSIGNMENT

We, John E. Garnier and George W. Griffith of 3965 Tuscany Drive, Idaho Falls, ID 83404 and 256 Georgetown Court, Idaho Falls, ID 83404, respectively, are the joint owners of the entire right, title and interest in and to a United States patent application entitled CLADDING MATERIAL, TUBE INCLUDING SUCH CLADDING MATERIAL AND METHODS OF FORMING THE SAME (hereinafter the "invention") filed on October 8, 2010 and assigned Serial No. 12/901,326, subject to nonexclusive, nontransferable, irrevocable, paid-up license rights retained by the United States Government.

The Assignee, Advanced Ceramic Fibers, LLC, an Idaho LLC having a principal place of business at 2300 N. Yellowstone Highway, Suite 210, Idaho Falls, ID 83401 desires to secure the entire right, title and interest in said invention, subject to any and all rights retained by the United States Government.

In consideration of Ten Dollars (\$10.00) and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency of which we hereby acknowledge, WE HEREBY ASSIGN TO THE ASSIGNEE:

The entire right, title and interest in said invention in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

All claims for damages and all of the remedies arising out of any infringement of the invention or the above-identified United States patent application which may have accrued prior to the date of this assignment or may accrue, including, but not limited to, the right to sue for and collect and retain damages for past infringements of the invention or the above identified United States patent application.

We hereby authorize and request the United States Director of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the

> PATENT REEL: 031168 FRAME: 0187

entire interest, for the sole use of the said Assignee, its successors, assigns and legal representatives.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of our ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

DATED this 6 day of SEPTEMBER 2013.

John E. Garnier

DATED this 6 day of September 2013.

George W. Griffith

STATE OF IDAHO)
County of Bonnes (18)

On this 6th day of September, 2013, before me personally appeared John E. Garnier, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

NOTARY PUBLIC – STATE OF IDAHO

My commission expires on 6/6/17

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STATE OF IDAHO)
County of Borneville

On this <u>(a)</u> day of <u>Soptember</u>, 2013, before me personally appeared George W. Griffith, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

NOTARY PUBLIC – STATÉ OF IDA

My commission expires on $\omega/\omega/17$

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