

07-17-2003

Tab settings To the Honorable Commissioner of



102499048

Attached original documents or copy thereof.

1. Name of conveying party(ies): Manish P. Sutaria Anthony C. Mulligan Mark J. Rigali Ronald A. Cipriani Gregory J. Artz Additional name of conveying party(ies) attached? [] Yes [X] No

2. Name and address of receiving party(ies) Name: Advanced Ceramics Research, Inc. Internal Address: PAT 28 2003

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: December 14, 2001; January 21, 2002; January 23, 2002 and January 25, 2002

Street Address: 3292 East Hemisphere Loop City: Tucson State: AZ Zip: 85706 Additional Name(s) & address(es) attached? [] Yes [X] No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution data of the application is: A. Patent Application No.(s) 10/005,241 B. Patent No.(s) Additional numbers attached? [] Yes [X] No

6. Total number of applications and patents involved: 1

5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Rebecca P. Rokos, Esq. Internal Address: Banner & Witcoff, Ltd. Suite 3000 Street Address: 10 South Wacker Drive City: Chicago State: IL Zip: 60606

7. Total fee (37 CFR 3.41) \$ 40 [] Enclosed [X] Authorized to be charged to deposit account 8. Deposit account number: 19-0733 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature. Express Mail No. EV 075513366 US 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. Julie B. Ackerman Name of Person Signing Signature Date March 28, 2002

Total number of pages including cover sheet, attachments, and documents: 5 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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ASSIGNMENT

Case No. 03248.00039

Inventors:	¹ Manish P. Sutaria	² Mark J. Rigali	³ Ronald A. Cipriani
Address(es):	2200 Ben Franklin Parkway, #W809 Philadelphia, Pennsylvania 19130 U.S.A.	517 S. Rosemont Tucson, Arizona 85711 U.S.A.	5955 East Baker Street Tucson, Arizona 85711 U.S.A.
	⁴ Gregory J. Artz	⁵ Anthony C. Mulligan	
	8788 East Desert Spring Street Tucson, Arizona 85730 U.S.A.	7944 Sombrero Peak Road Tucson, Arizona 85743 U.S.A.	

Date of Execution of Application: December 14, 2001; January 21, 2002; January 23, 2002 and January 25, 2002
Filing Date of Application: December 4, 2001
Application No. 10/005,241

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

Advanced Ceramics Research, Inc. of Tucson, Arizona

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

CONSOLIDATION AND DENSIFICATION METHODS FOR FIBROUS MONOLITH PROCESSING

and identified as:

Case No. 03248.00039

in the offices of Banner & Witcoff, Ltd. and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications

Banner & Witcoff, Ltd.

and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignees, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignees, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignees, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

Date: 1/25/2002, 2002

State of ~~Pennsylvania~~ Massachusetts)

County of ~~Philadelphia~~ Middlesex) ss:

Manish P. Sutaria
Manish P. Sutaria

This 25th day of January, 2002 before me personally came the above-named, Manish P. Sutaria, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes herein set forth.

JANICE CHIN
Notary Public
Commonwealth Of Massachusetts
My Commission Expires 07/15/2003

Date: _____, 2001

State of Arizona)
County of Pima) ss:

Mark J. Rigali

This _____ day of _____, 2001, before me personally came the above-named, Mark J. Rigali, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes herein set forth.

Notary Public
My Commission Expires: _____

Date: _____, 2001

State of Arizona)
County of Pima) ss:

Ronald A. Cipriani

This _____ day of _____, 2001, before me personally came the above-named, Ronald A. Cipriani, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes herein set forth.

Notary Public
My Commission Expires: _____

and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignees, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignees, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignees, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

Date: _____, 2001

Manish P. Sutaria

State of Pennsylvania)
) ss:
County of Philadelphia)

This _____ day of _____ 2001, before me personally came the above-named, Manish P. Sutaria, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes herein set forth.

Notary Public
My Commission Expires: _____

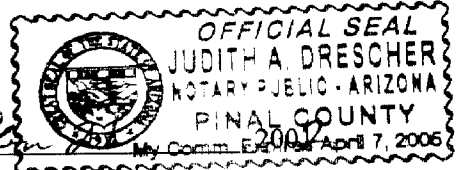
Date: JAN. 23, 2002

Mark J. Rigali
Mark J. Rigali

State of Arizona)
) ss:
County of Pima)

This 23rd day of JANUARY 2002, before me personally came the above-named, Mark J. Rigali, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes herein set forth.

Judith A. Drescher
Notary Public
My Commission Expires: 4-7-2006



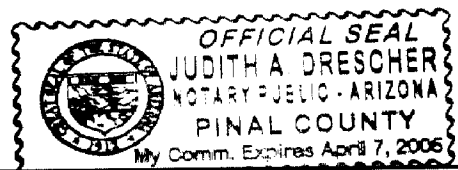
Date: Jan 23, 2002

Ronald A. Cipriani
Ronald A. Cipriani

State of Arizona)
) ss:
County of Pima)

This 21st day of JANUARY 2002, before me personally came the above-named, Ronald A. Cipriani, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes herein set forth.

Judith A. Drescher
Notary Public
My Commission Expires: 4/7/2006



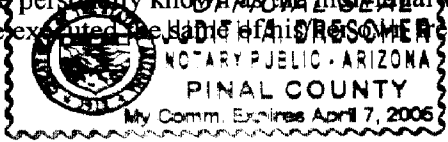
Date: Jan 21, 2002

Gregory J. Artz

Gregory J. Artz

State of Arizona)
) ss:
County of Pima)

This 21ST day of JANUARY 2002, before me personally came the above-named, Gregory J. Artz, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes herein set forth.



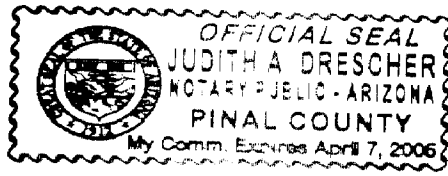
Judith A. Drescher
Notary Public
My Commission Expires: 4-7-2006

Date: Dec 14, 2001

Anthony C. Mulligan
Anthony C. Mulligan

State of Arizona)
) ss:
County of Pima)

This 14TH day of DECEMBER 2001, before me personally came the above-named, Anthony C. Mulligan, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes herein set forth.



Judith A. Drescher
Notary Public
My Commission Expires: 4-7-2006