Form PTO-1595 RECC (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)	07-2002 <b>T</b> U.S. DEPARTMENT OF COMMUNICATION OF COMUNICATION OF COMUNICATION OF COMUNICATION OF COMUNICATION OF COMUNICATION OF COMUNICATIONO
Tab settings $raccellow$ $raccellow$ $raccellow$ To the Honorable Commissioner of F       102	2114336
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)
K. Ranji Vaidyanathan John L. Lombardi	Name: Advanced Ceramics Research, Inc
Joseph Walish 5 3/1/2	Internal Address:
Ronald A. Cipriani	
Additional name of conveying party(ies) attached?  Yes	3 No
3. Nature of conveyance:	Street Address: 3292 East Hemisphere Loop
🛛 Assignment 🗌 Merger	
Security Agreement Change of Nam	ne City: Tucson State: AZ Zip: 8570
□ Other	
Execution Date: April 30, 2002; May 7, 2002 and May 8	Additional Name(s) & address(es) attached?  Yes
2002	
4. Application number(s) or patent number(s):	lication, the execution data of the application is:
If this document is being filed together with a new appl	lication, the execution data of the application is:
A. Patent Application No.(s)	lication, the execution data of the application is:
10/094,098	Contraction of the second s
	C.
Additional numbe	ers attached?  Yes No 6. Total number of applications and patents invotived:
5. Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of applications and patents invotved: B
Name: Banner & Witcoff	7. Total fee (37 CFR 3.41) \$ 40.00
Internal Address:	Enclosed
	Authorized to be charged to deposit account
Street Address: Ten South Wacker Drive	8. Deposit account number: 19-0733
Suite 3000	(Attach duplicate copy of this page if paying by deposit acc
City: Chicago State: IL Zip: 60606	
DO NO	T USE THIS SPACE
9. Statement and signature.	Express Mail No. EV 07551015
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 Brown Ackerman	Je fo Steel May 31, 2002
Name of Person Signing	Signature Date
Total number of pages inclu	v uding cover sheet, attachments, and documents: 9
Mail documents to be recorde	d with required cover sheet information to: nts & Trademarks, Box Assignments
	nington, D.C. 20231
81 40.00 CH	
/	PATENT
/	REEL: 012952 FRAME: 0515

## **ASSIGNMENT**

Case No.: 03248.00056

Inventors: <sup>1</sup> K. Ranji Vaidyanathan Address(es): 2301 North Sarnoff Drive Tucson, Arizona 85715 U.S.A. <sup>3</sup> Ronald A. Cipriani

5955 East Baker Street Tucson, Arizona 85718 U.S.A. <sup>2</sup> John L. Lombardi
831 North Camino Miramonte Tucson, Arizona 85716
U.S.A. <sup>2</sup> Joseph Walish
8 Sotol Loop
Miami, Arizona 85539
U.S.A.

Date of Execution of Application:April 30, 2002; May 6, 2002 and May 8, 2002Filing Date:March 7, 2002Application No.10/094,098

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:

## **COMPOSITIONS AND METHODS FOR PREPARATION OF METALLIC FOAM PRODUCTS**

and identified as:

## Case No. 03248.00056

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

PATENT REEL: 012952 FRAME: 0516

and other desumants for Letters Detent in fersion equation on said invention or improvements, that said essiones, its
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:	4/30/	, 2002	K. Ranji Vaidyanal Ron K. Ranji Vaidyanathan
State of Ari	-		
County of P	inna P. JAL) ss:		
Vaidyanatha	JUDITH A. DRES	whas the individual at the same of his ow HER IZONA TY	ne personally came the above-named, K. Ranji who executed the foregoing assignment, who in free will for the purposes herein set forth. <u>And the Drescher</u> tary Public Commission Expires: <u>4-7-05</u>
Date:		, 2002	John L. Lombardi
State of Ari	zona )		John L. Lombardi
County of P	) ss: Pima )		
me personal	is day of lly known as the individu e same of his own free w	ual who executed the	me personally came the above-named, John L. Lombardi, to foregoing assignment, who acknowledged to me that he erein set forth.
			tary Public Commission Expires:
Date:		, 2002	Joseph Walish
State of Ari	zona )		
County of C	) ss: Bila )		
Th	is day of	2002, before	me personally came the above-named, Joseph Walish, to

This \_\_\_\_\_ day of \_\_\_\_\_ 2002, before me personally came the above-named, Joseph Walish, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes herein set forth.

Notary Public My Commission Expires: \_\_\_\_\_



Date:  $Apr.L 30^{HH}$ , 2002 State of Arizona ) County of Pinna Pinna L ) ss:

This  $3^{\rho}$  day of  $A^{\rho} \epsilon L$  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 executed the same of his own free will for the purposes herein set forth.

My Commission Expires: 4-7-05

OFFICIAL SEA UDITH A DRESCHER PJELC COUNTY . Excernes April 7, 2006

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:	4	30	[		 _, 2002
State of .	Arizona		)		
County o	of Pima		)	SS:	

K. Ranji Vaidyanathan

mx Annlaid.

This \_\_\_\_\_ day of \_\_\_\_\_ 2002, before me personally came the above-named, K. Ranji Vaidyanathan, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes herein set forth.

> Notary Public My Commission Expires:

Date: <u>5-8-02</u>, 2002

County of Pinna Pinna L

This  $\frac{8^{n}}{m}$  day of  $\frac{MA4}{m}$  2002, before me personally came the above-named, John L. Lombardi, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own-free will for the purposes herein set forth.

JUDIT NOTAR PIN	FICIAL SEAL S H A. DRESCHERS Y P JELIC - ARIZONA 2 IAL COUNTY S Expires ADRI 7, 20063	Notard Public Ny Commission Expires: 4.7-05	
Date:	, 2002		
		Joseph Walish	
State of Arizona	)		
County of Gila	) ss: )		

This \_\_\_\_\_ day of \_\_\_\_\_ 2002, before me personally came the above-named, Joseph Walish, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes herein set forth.

> Notary Public My Commission Expires:

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.

<u>4|30|</u>,2002 Date: ) ) ss: State of Arizona County of Pima

K. Ranji Vaidyanathan

2002, before me personally came the above-named, K. Ranji This day of Vaidyanathan, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes herein set forth.

Notary Public	
My Commission Expires:	

John L. Lombardi

Joseph Walish

Date: \_\_\_\_\_, 2002

) ss:

State of Arizona

County of Pima

\_\_\_\_ day of \_\_\_\_\_\_ 2002, before me personally came the above-named, John L. Lombardi, to This me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes herein set forth.

> Notary Public My Commission Expires:

Date: <u>5/7/</u>, 2002 <u>State of Arizona</u> MA schehusetts ) ss: County-of Gills Muddelander

County of Gila middlese

This  $\cancel{7}$  day of  $\cancel{7}$  day of  $\cancel{7}$  2002, before me personally came the above-named, Joseph Walish, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he

me personally known as the individual who executed the purposes herein set forth. executed the same of his own free will for the purposes herein set forth. Notary Public My Commission Expires: 8/18/04

BANNER & WITCOFF, LTD.

**RECORDED: 05/31/2002**