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To the Honorable Commissioner of Patents and Trademark



1. Name of conveying party(ies):

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MARTIN D. STUART and WILSON H. TA

101824020

Name of receiving party(ies):

R ADVANCED CERAMICS, INC.

Internal Address:

Street Address: 13395 New Airport Road

City: Auburn State/Country: CA ZIP: 95602

Additional name(s) of conveying party(ies) attached? Yes No

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: 9th July and 12th July 2001

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: 9th July and 12th July 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional Application/Patent Numbers attached? Yes No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: VINCENT T. PACE

Address: DANN, DORFMAN, HERRELL AND SKILLMAN, P.C.
1601 Market Street, Suite 720
Philadelphia, Pennsylvania 19103-2307

Telephone: 215-563-4100

Facsimile: 215-563-4044

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41) \$ 40.00

- Enclosed
- Authorized to be charged to deposit account No. 04-1406

8. In the event the check enclosed is improper, or the fee calculation is in error, the Commissioner is authorized to charge any underpayment or credit any overpayment to the account of the undersigned attorneys.

Deposit Account Number: 04-1406

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9. Statement and signature.

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.

VINCENT T. PACE
Name of Attorney Signing

Signature of Attorney

July 17, 2001
Date

Total number of pages including cover sheet, attachments and document 2

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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, DC 20231

ASSIGNMENT

WHEREAS, MARTIN D. STUART and WILSON H. TA, hereinafter referred to as ASSIGNOR, are named as co-inventors of an invention entitled: HIGH-STRENGTH MAGNESIA PARTIALLY STABILIZED ZIRCONIA described and claimed in International Application No. PCT/US00/01804 filed the 24th day of January 2000, which designates the United States of America.

WHEREAS, CARPENTER ADVANCED CERAMICS, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having a place of business at 13395 New Airport Road, Auburn, California 95602, hereinafter referred to as ASSIGNEE, is desirous of acquiring any rights in and to said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and all foreign countries which may be issued therefor;

NOW THEREFORE THIS IS TO WITNESS that for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and set over and hereby does sell, assign and set over, unto ASSIGNEE, its successors and assigns, for the territory of the United States of America and for all foreign countries, ASSIGNOR'S entire right, title and interest in and to the aforesaid invention, as well as any improvement thereof, and any and all applications for letters patent which have been, or hereafter may be, filed on said invention or any said improvement thereof, including any and all divisional, renewal, substitute, continuation and continuation-in-part applications, together with the right to claim priority accruing from said applications, and all Letters Patent which may be granted on any said application(s) for said invention or any said improvement thereof, and all extension(s) and reissue(s) thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

And ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as the owner of all right, title and interest therein.

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNOR will execute any further papers and do such other acts and things as may be necessary and proper to permit ASSIGNEE, its successors and assigns, to procure Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this assignment has been executed on the day and month indicated below.

DATE

ASSIGNOR

9th JULY, 2001


MARTIN D. STUART

12th JULY 2001


WILSON H. TA PATENT