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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Daniel Ashkin and
Richard Palicka

Execution Date(s) May 5, 2006

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

2. Name and address of receiving party(ies)

Name: BAE Systems Advanced Ceramics, Inc.

Internal Address: _____

Street Address: 991 Park Center Drive

City: Vista

State: CA

Country: USA Zip: 92081

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application or patent number(s):

A. Patent Application No.(s)

E333 00000066 11430013

40.00 DP

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: H. Jay Spiegel

Internal Address: P.O. Box 11

Street Address: _____

City: Mount Vernon

State: VA Zip: 22121

Phone Number: 703-619-0101

Fax Number: 703-619-0110

Email Address: _____

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
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Authorized User Name _____

9. Signature:

H. Jay Spiegel

Signature

May 8, 2006

Date

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 017852 FRAME: 0331

ASSIGNMENT

WHEREAS, we, DANIEL ASHKIN and RICHARD PALICKA having addresses at: 610 Shenandoah Avenue, San Marcos, CA 92078 and 121 Via Zapata, San Clemente, CA 92672, respectively, (hereinafter referred to as "Inventors"), have invented certain new and useful improvements in COMPOSITIONS FOR IMPROVED CERAMIC ARMOR, for which an application for United States Letters Patent is being filed concurrently, and

WHEREAS, BAE SYSTEMS ADVANCED CERAMICS, INC., a corporation of the State of California, having a place of business at: 991 Park Center Drive, Vista, CA 92081, (hereinafter referred to as "Company"), is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00) to us in hand paid, the receipt whereof is hereby acknowledged, and other valuable considerations, the said Inventors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Company the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent, which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, re-examinations and extensions thereof.

We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said Company

as the assignee of the entire right, title and interest in and to the same, for the sole use and behoof of the said Company, its successors and assigns.

FURTHER, we agree that we will communicate to said Company or its representatives any facts known to us respecting said invention and to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Company, make all rightful oaths and generally do everything possible to aid said Company, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, we have hereunto set our hands this 5 day of May, 2006.

Signed in the presence of:

WITNESS: Bleware

SIGNED: Daniel Ashkin
DANIEL ASHKIN

WITNESS: Bleware

SIGNED: Richard Palicka
RICHARD PALICKA