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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.

12/23/04

11/021380



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1. Name of conveying party(ies)/Execution Date(s):
 David A. Dahl
 Jill R. Scott
 Anthony D. Appelhans

Execution Date(s) 12/23/2004, 12/20/2004, 12/22/2004

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

2. Name and address of receiving party(ies)
 Name: Bechtel BWXT Idaho, LLC
 Internal Address: P.O. Box 1625

Street Address: _____

City: Idaho Falls

State: Idaho

Country: US Zip: 83415-3899

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): This document is being filed together with a new application.
 A. Patent Application No.(s)
 B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: IP Legal

Internal Address: Bechtel BWXT Idaho, LLC
P.O. Box 1625

Street Address: _____

City: Idaho Falls

State: Idaho Zip: 83415-3899

Phone Number: 208/526-1371

Fax Number: 208/526-8339

Email Address: adk@inel.gov

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 _____
 Expiration Date _____

b. Deposit Account Number 05-0565

Authorized User Name Janine Hall

9. Signature: Janine Hall 12/23/2004
 Signature Date

Janine Hall
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

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

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PATENT
REEL: 016124 FRAME: 0175

PATENT ASSIGNMENT

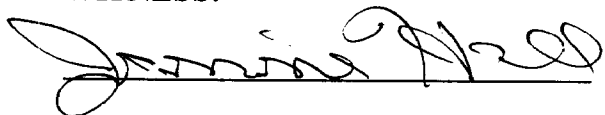
WHEREAS, we David A. Dahl, Jill R. Scott and Anthony D. Appelhans, citizens of the United States, residing in Idaho Falls, County of Bonneville, State of Idaho, residing in Idaho Falls, County of Bonneville, State of Idaho and residing in Idaho Falls, County of Bonneville, State of Idaho, have invented certain new and useful improvements in **ELECTROSTATIC SHAPE-SHIFTING ION OPTICS**, for which we are about to file an application for United States Letters Patent identified as B-500; and; executed by us on 12/20/2004, 12/22/2004, and 12/23/2004, and;

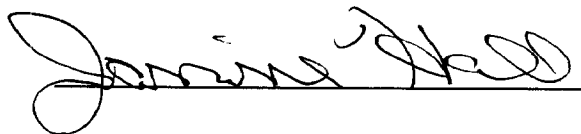
WHEREAS, Bechtel BWXT Idaho, LLC desires to acquire the entire right, title, and interest in and to the said invention and in and to any Letters Patent wherever they may be issued thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for other good and valuable consideration, we by these presents do sell, assign, and transfer unto the said Bechtel BWXT Idaho, LLC and/or its assigns, the entire right, title, and interest in and to the said invention and in and to any and all Letters Patent wherever they may be granted thereon as well as reissues and extensions of said Letters Patent, the same to be held and enjoyed by Bechtel BWXT Idaho, LLC to the full end of the term or terms for which Letters Patent are or may be granted, reissued, or extended, as fully and entirely as the same would have been held or enjoyed by me had this assignment not been made. We agree to make, execute, and deliver unto Bechtel BWXT Idaho, LLC any and all papers, documents, affidavits, renewal, divisional and reissue applications, statements, or other documents, affidavits, renewal, divisional and reissue applications, statements, or other instruments in such usual or other forms, terms, and contents as may be required by Bechtel BWXT Idaho, LLC or its duly authorized representative, in or incident to the prosecution or conduct of any and all applications, before as well as after the issuance of any Letters Patent thereon, or in the adjustment or settlement of any interferences or

other actions or proceedings that said application may encounter or in which they may become involved, and we agree that we will aid Bechtel BWXT Idaho, LLC or its assigns, except that any expenses arising through extending such assistance will be paid for by proper arrangement with Bechtel BWXT Idaho, LLC.

WITNESS:







INVENTOR:



David A. Dahl ²³

Date 12/23/04



Jill R. Scott

Date 12/20/04



Anthony D. Appelhans

Date 12/22/04