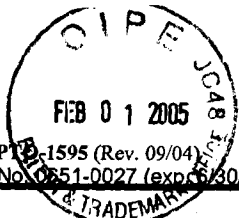


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Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



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REC

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):

Don T. Clark
Richard L. Jones
Terry D. Turner
Joel M. Hubbell
James B. Sisson

Execution Date(s) 12/8/04, 12/1/04, 12/6/04, 12/9/04

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)

10/995,799

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: 208/526-9140

Fax Number: 208/526-8339

Email Address: src@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
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a. Credit Card Last 4 Numbers _____
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Authorized User Name Janine Hall

9. Signature:

Signature

1/28/05
Date

Janine Hall
Name of Person Signing

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

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02/07/2005 BTOM11 00000053 050565 10995799

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PATENT
REEL: 016224 FRAME: 0821

PATENT ASSIGNMENT

WHEREAS, we Don T. Clark, Richard L. Jones, Terry D. Turner, Joel M. Hubbell and James B. Sisson, 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, 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 **APPARATUSES FOR INTERACTION WITH A SUBTERRANEAN FORMATION, AND METHODS OF USE THEREOF**, for which we are about to file an application for United States Letters Patent identified as B-444 and; executed by us on 12/27/04, 12/8/04, 12/7/04, 12/6/04, and 12/9/04, 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:

Janina Hall

Janina Hall

Janina Hall

Janina Hall

Janina Hall

INVENTOR:

Don T. Clark

Don T. Clark

Date 12/18/04

Richard L. Jones

Richard L. Jones

Date 12/08/04

Terry B. Turner

Terry B. Turner

Date 12/11/2004

Joel M. Hubbell

Joel M. Hubbell

Date 12/06/04

James B. Sisson

James B. Sisson

Date 12/9/04