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11.12.01

11000 U.S. PTO  
10/013029  
11/12/01

Please record the attached documents:

- 1) Name of conveying party(ies):  
Alan F. Moore  
Donald E. Schechter  
Marvin Stanley Morrow
- 2) Name and address of receiving party(ies):  
BWXT Y-12 LLC  
1099 Commerce Park  
Oak Ridge, TN 37831-8230

- 3) Nature of conveyance:  
**Assignment of Patent Application**
- Additional name(s) & address(es) attached

Execution Date:

November 5, 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: **November 5, 2001**

A. Patent Application No.(s)

B. Patent No.(s)

10/013029

Additional numbers attached?

- 5) Name and address of party to whom correspondence concerning document should be mailed:

John B. Hardaway, III  
Registration No. 26,554  
NEXSEN PRUET JACOBS & POLLARD, LLC  
Post Office Box 10107  
Greenville, SC 29603  
Telephone: (864) 370-2211

- 6) Total number of applications and/or patents involved:  
**one (1)**
- 7) Total fee enclosed (37 CFR 3.41): **\$40**
- 8) Please charge any deficiencies or credit any over payment to deposit account number 08-0719.

- 9) 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.

J. Herbert O'Toole  
Reg. No.: 31,404  
Date: November 12, 2001

Our Docket: 27269/004

Total number of pages including cover sheet, attachments, and document: 6

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NPGVL1:128557.1-FO-(G11) 027269-00004

**PATENT**  
**REEL: 012372 FRAME: 0759**

## **ASSIGNMENT OF PATENT APPLICATION**

WHEREAS, We, the below-named co- inventors, whose residences and post office addresses are as stated below, have contributed to the invention in certain new and useful improvements in a

### **METHOD AND APPARATUS FOR MELTING METALS**

for which an application for United States Letters Patent is filed herewith and,

WHEREAS, BWXT Y-12 LLC, a Limited Liability Company of the State of Tennessee, having an address at 1099 Commerce Park, Oak Ridge, Tennessee 37831-8230, hereinafter called the ASSIGNEE, is desirous of acquiring the entire right, title and interest in the application and invention and to any Letters Patent that may be granted therefor in the United States of America and in any and all foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign to ASSIGNEE our entire right, title and interest in the application and the invention, to all our rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefor on the invention.

We hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of our rights in said Letters Patent, when granted, to the ASSIGNEE.

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

We further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on us, our heirs' legal representatives, and assigns.

Full name of co-inventor:

Alan F. Moore

Address:

11416 Glen Iris Lane  
Knoxville, TN 37922

Signature:

Alan F. Moore

Date:

10-12-01

State of Tennessee )  
County of Anderson )

On this 12<sup>th</sup> day of October, 2001, before me, a Notary Public

in and for the County and State aforesaid, appeared Allan F. Moore to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Leigh Ann Hill  
Notary Public for the State of:  
Tennessee

(SEAL)

My Commission Expires:

7/31/2002

Full name of co-inventor:

Donald E. Schechter

Address:

Overlook Drive and Red Cloud Road

Rt. 2, Box 139

Ten Mile, TN 37880

Signature:

Donald E. Schechter

Date:

10-9-01

State of

TN

County of

Anderson

On this 9 day of October, 2001, before me, a Notary Public

in and for the County and State aforesaid, appeared Donald E. Schechter to me

personally known to be the same person whose name is subscribed to the

foregoing instrument, and acknowledged that he executed said instrument as his

free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Tennessee

Notary Public for the State of:

Debbie DeKus

(SEAL)

My Commission Expires:

Commission Expires  
01/22/2004

Full name of co- inventor:

Marvin Stanley Morrow

Address:

200 Interstate Lane  
Marble NC 28905

Signature:

MS Morrow

Date:

11-5-01

State of New Mexico )  
County of Los Alamos )

On this 5<sup>th</sup> day of November, 2001, before me, a Notary Public

in and for the County and State aforesaid, appeared Marvin Stanley Morrow to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Sandra Rodriguez  
Notary Public for the State of:  
New Mexico

(SEAL)

My Commission Expires: March 19, 2005