

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE
CONVEYING PARTY DATA	
Name	Execution Date
B&W Y-12, LLC	05/23/2012
RECEIVING PARTY DATA	
Name:	U.S. Department of Energy
Street Address:	1000 Independence Ave., SW
City:	Washington
State/Country:	DISTRICT OF COLUMBIA
Postal Code:	20585
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13221970
CORRESPONDENCE DATA	
Fax Number:	(202)586-7127
Phone:	2025862802
Email:	brenda.banks@hq.doe.gov
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Brenda K. Banks
Address Line 1:	1000 Independence Ave.
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20585
NAME OF SUBMITTER:	Brenda K. Banks
Total Attachments: 1 source=S-109777 Confirmatory License#page1.tif	

CONFIRMATORY LICENSE
LARGE BUSINESS CLASS WAIVER

Title: **Casting Fine Grained, Fully Dense, Strong Inorganic Materials**

Inventor(s): **Sam W. Brown, Larry S. Spencer, and Michael R. Phillips**

Serial No.: **13/221,970**

Filing Date (U.S.): **August 31, 2011**

DOE Case No.: **S-109,777**

Contractor: **B&W Y-12, LLC**

DOE Contract No.: **DE-AC05-00OR22800**

Patent Rights Clause No.: **Article 1.80 DEAR 970.5227-12 PATENT RIGHTS-MANAGEMENT AND OPERATING CONTRACTS, FOR-PROFIT CONTRACTOR, ADVANCE CLASS WAIVER (DEC 2000)**

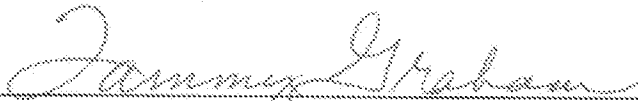
Foreign Applications filed in or intended to be filed at Contractor's expense in (countries):
(None)¹

The Contractor, having the right to retain title to certain Subject Inventions as a result of the above-identified U.S. Department of Energy (DOE) Class Patent Waiver, has reported the above-identified invention as a Subject Invention to DOE with an election to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, paid-up license to practice or have practice for or on behalf of the United States the Subject Invention, patent application and any resulting patent, as well as any continuation, divisional, reissue, or supplemental thereof, and of all other rights acquired by the Government by the above-identified patent rights clause, a copy of which has been previously submitted to DOE and incorporated by reference herein. If attached, the undersigned certifies the attached copy to be a true copy of said clause. It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified Subject Invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed, this 23rd day of May, 2012

By: 
Tammy Graham, Manager
B&W Y-12, LLC
Office of Technology Transfer

¹ Note: B&W Y-12 may file a Patent Cooperation Treaty (PCT) application under the terms of its Prime Contract.