

## 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											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>B&amp;W Y-12, LLC</td> <td>05/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	B&W Y-12, LLC	05/23/2012						
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B&W Y-12, LLC	05/23/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>U.S. Department of Energy</td> </tr> <tr> <td>Street Address:</td> <td>1000 Independence Ave., SW</td> </tr> <tr> <td>City:</td> <td>Washington</td> </tr> <tr> <td>State/Country:</td> <td>DISTRICT OF COLUMBIA</td> </tr> <tr> <td>Postal Code:</td> <td>20585</td> </tr> </table>		Name:	U.S. Department of Energy	Street Address:	1000 Independence Ave., SW	City:	Washington	State/Country:	DISTRICT OF COLUMBIA	Postal Code:	20585
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13222002</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13222002						
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Application Number:	13222002										
CORRESPONDENCE DATA											
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Total Attachments: 1 source=S-109776 Confirmatory License#page1.tif											

CONFIRMATORY LICENSE  
LARGE BUSINESS CLASS WAIVER

Title: **Hydrogen, Lithium, and Lithium Hydride Production**

Inventor(s): **Sam W. Brown, Larry S. Spencer, Michael R. Phillips, G. Louis Powell, and Peggy J. Campbell**

Serial No.: 13/222,002

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

DOE Case No.: S-109,776

Contractor: B&W Y-12, L.L.C.

DOE Contract No.: DE-AC05-00OR22800

Patent Rights Clause No.: **Article L80 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)<sup>1</sup>

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 23<sup>rd</sup> day of May, 2012

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

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