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Doc Code: S-103,081

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B&amp;W Y-12Y, LLC

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) 4/10/2008

- ☐ Assignment                      ☐ Merger  
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☐ Joint Research Agreement  
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☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**Name: U.S. Department of EnergyInternal Address: GC-62 6F-067Street Address: 1000 Independence Avenue, S.W.City: WashingtonState: D.C.Country: \_\_\_\_\_ Zip: 20585-0162Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/687,820

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Brenda K. BanksInternal Address: GC-62 6F-067U.S. Department of EnergyStreet Address: 1000 Independence Avenue, S.W.City: WashingtonState: D.C. Zip: 20585-0162Phone Number: 202-586-2802Fax Number: 202-586-2805Email Address: brenda.banks@hq.doe.gov**6. Total number of applications and patents involved:****7. Total fee (37 CFR 1.21(h) & 3.41) \$** \_\_\_\_\_

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
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☒ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_

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**9. Signature:**Brenda K Banks

Signature

5/8/08

Date

Brenda K. Banks

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2

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PATENT

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REEL: 020926 FRAME: 0997

**CONFIRMATORY LICENSE  
LARGE BUSINESS CLASS WAIVER**

**Title: Thermocouple Shield**

**Inventor(s): Edward P. Ripley**

**Serial No.: 11/687,820**

**Filing Date (U.S.): March 19, 2007**

**DOE Case No.: S-103,081**

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

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

**Patent Rights Clause No.: Article I.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)<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 (certified on June 16, 2003) 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 10<sup>th</sup> day of April, 2008

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

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