

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2681297

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ERIC PAUL LOEWEN</td> <td>01/09/2014</td> </tr> <tr> <td>WESTON MATTHEW CUNDIFF</td> <td>01/09/2014</td> </tr> <tr> <td>PRADIP SAHA</td> <td>01/09/2014</td> </tr> <tr> <td>DEREK BASS</td> <td>01/09/2014</td> </tr> </tbody> </table>		Name	Execution Date	ERIC PAUL LOEWEN	01/09/2014	WESTON MATTHEW CUNDIFF	01/09/2014	PRADIP SAHA	01/09/2014	DEREK BASS	01/09/2014
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>GE-HITACHI NUCLEAR ENERGY AMERICAS LLC</td> </tr> <tr> <td>Street Address:</td> <td>3901 CASTLE HAYNE ROAD</td> </tr> <tr> <td>City:</td> <td>WILMINGTON</td> </tr> <tr> <td>State/Country:</td> <td>NORTH CAROLINA</td> </tr> <tr> <td>Postal Code:</td> <td>28401</td> </tr> </table>		Name:	GE-HITACHI NUCLEAR ENERGY AMERICAS LLC	Street Address:	3901 CASTLE HAYNE ROAD	City:	WILMINGTON	State/Country:	NORTH CAROLINA	Postal Code:	28401
Name:	GE-HITACHI NUCLEAR ENERGY AMERICAS LLC										
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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>14154593</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14154593						
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CORRESPONDENCE DATA											
Fax Number:	(703)668-8200										
Phone:	703-668-8000										
Email:	dcmailroom@hdp.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	HARNES, DICKEY & PIERCE, P.L.C.										
Address Line 1:	P.O. BOX 8910										
Address Line 4:	RESTON, VIRGINIA 20195										
ATTORNEY DOCKET NUMBER:	8564-000309-US										
NAME OF SUBMITTER:	GARY D. YACURA										
Signature:	/Gary D. Yacura, Reg. No.: 35,416/										

Date:	01/14/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p>Total Attachments: 6 source=24AR270137_Declaration_14JAN2014#page1.tif source=24AR270137_Declaration_14JAN2014#page2.tif source=24AR270137_Declaration_14JAN2014#page3.tif source=24AR270137_Declaration_14JAN2014#page4.tif source=24AR270137_Declaration_14JAN2014#page5.tif source=24AR270137_Declaration_14JAN2014#page6.tif</p>	

**COMBINED DECLARATION AND GLOBAL ASSIGNMENT
FOR UTILITY OR DESIGN PATENT APPLICATION**

As the below named inventor(s), I/we hereby declare that:

This declaration and assignment are directed to:

**PASSIVE SHUTDOWN SYSTEM AND METHOD OF OPERATING A LIQUID METAL
COOLED REACTOR USING THE SAME**

- the specification of which is attached hereto OR
 United States application or PCT international application number
_____ filed on _____.

The above-identified application was made or authorized to be made by us.

We believe that we are original joint inventors of a claimed invention in the application.

We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC § 1001 by fine or imprisonment of not more than five (5) years, or both.

We have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR § 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the filing date of the continuation-in-part application.

In accordance with our obligation(s) under an Employee Innovation and Proprietary Information Agreement or (as applicable) arising out of other agreements (such as, but not limited to, the Services Agreement between GE-Hitachi Nuclear Energy Americas LLC, a Delaware Limited Liability Company, and our employers), and/or for other good and valuable consideration of which we acknowledge receipt, I/we,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
Eric	Paul	Loewen	of	Wilmington	NC	USA
Weston	Matthew	Cundiff	of	Wilmington	NC	USA
Pradip		Saha	of	Wilmington	NC	USA
Derek		Bass	of	Wilmington	NC	USA

hereby sell and assign to:

Name of Company: <i>GE-Hitachi Nuclear Energy Americas LLC</i>
Entity Type (optional): <i>Delaware Limited Liability Company</i>
Address: <i>3901 Castle Hayne Road, Wilmington, NC 28401</i>

herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made or conceived by us described in the application(s) listed above and in the following table:

Country of Filing	Type of Filing	Application Number	Filing Date	Title

(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, continuations-in-part, reexaminations, renewals, and reissues thereof, and all rights of priority resulting from the filing of the application(s), and authorize and request any official whose duty it is to issue patents, to issue any patent on the inventions and improvements resulting therefrom to the Company, or its successors or assigns, and agree that on request and without further consideration, we will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter parties review, or extension thereof, and generally do everything possible to aid the Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

Remuneration claims of the inventor(s)/assignor(s) potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this assignment.

INVENTOR 1

Signature: Eric Paul Loewen

Date: 09 JAN 14

Eric Paul LOEWEN

Witnessed by: Donna P. Wilson
Signature

Date: Jan 9, 2014

Donna P. Wilson
Printed Name of Witness

Witnessed by: Melody K. Suggs
Signature

Date: 01-09-14

Melody K. Suggs
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

_____ Date: _____

Inventor Name

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Eric Paul LOEWEN**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

_____ (Notary Public)

INVENTOR 2

Signature: Weston Matthew Cundiff Date: 1/9/2014

Weston Matthew CUNDIFF

Witnessed by: Donna P. Wilson Date: Jan 9, 2014
Signature

Donna P. Wilson
Printed Name of Witness

Witnessed by: Melody K. Suggs Date: 01-09-14
Signature

Melody K. Suggs
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

_____ Date: _____

Inventor Name

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Weston Matthew CUNDIFF**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

_____ (Notary Public)

INVENTOR 3

Signature: Pradip Saha

Date: 1/9/2014

Pradip SAHA

Witnessed by: Donna P. Wilson
Signature

Date: Jan 9, 2014

Donna P. Wilson
Printed Name of Witness

Witnessed by: Melody K. Suggs
Signature

Date: 01-09-14

Melody K. Suggs
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

_____ Date: _____

Inventor Name

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Pradip SAHA**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

INVENTOR 4

Signature: *Derek Bass*

Date: 1/9/2014

Derek BASS

Witnessed by: *Donna P. Wilson*
Signature

Date: Jan 9, 2014

Donna P. Wilson
Printed Name of Witness

Witnessed by: *Melody K. Suggs*
Signature

Date: 01-09-14

Melody K. Suggs
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

_____ Date: _____

Inventor Name

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Derek BASS**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)