

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>02/25/2013</td> </tr> <tr> <td>Brian Scott Triplett</td> <td>03/04/2013</td> </tr> <tr> <td>Brett Jameson Dooies</td> <td>02/27/2013</td> </tr> <tr> <td>Jordan E. Hagaman</td> <td>02/27/2013</td> </tr> </tbody> </table>		Name	Execution Date	Eric Paul Loewen	02/25/2013	Brian Scott Triplett	03/04/2013	Brett Jameson Dooies	02/27/2013	Jordan E. Hagaman	02/27/2013
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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
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: 7036688200 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 7036688000 Email: dcmailroom@hdp.com Correspondent Name: Harness, Dickey & Pierce, P.L.C. Address Line 1: P.O. Box 8910 Address Line 4: Reston, VIRGINIA 20195											
ATTORNEY DOCKET NUMBER:	8564-000292/US										
NAME OF SUBMITTER:	Alex C. Chang										
Signature:	/Alex C. Chang/										

Date:	04/26/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 6</b> source=24NS263516_ExecutedDeclaration_26APR2013#page1.tif source=24NS263516_ExecutedDeclaration_26APR2013#page2.tif source=24NS263516_ExecutedDeclaration_26APR2013#page3.tif source=24NS263516_ExecutedDeclaration_26APR2013#page4.tif source=24NS263516_ExecutedDeclaration_26APR2013#page5.tif source=24NS263516_ExecutedDeclaration_26APR2013#page6.tif	

**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:

**ENTRAINMENT-REDUCING ASSEMBLY, SYSTEM INCLUDING THE ASSEMBLY,  
AND METHOD OF REDUCING ENTRAINMENT OF GASES WITH THE ASSEMBLY**

- ☐ the specification of which is attached hereto OR
- ☒ United States application or PCT international application number  
13/721,346 filed on December 20, 2012, as  
amended on [date] (if applicable).  
(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 when known.)

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 corporation, 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
Brian	Scott	TRIPLETT	of	Wilmington	NC	USA
Brett	Jameson	DOOIES	of	Wilmington	NC	USA
Jordan	E.	HAGAMAN	of	Wilmington	NC	USA

v9.18.12

hereby sell and assign to:

Name of Company: <i>GE-Hitachi Nuclear Energy Americas LLC</i>
Entity Type (optional): <i>Delaware Limited Liability corporation</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 partes 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

Eric Paul Loewen  
Eric Paul LOEWEN

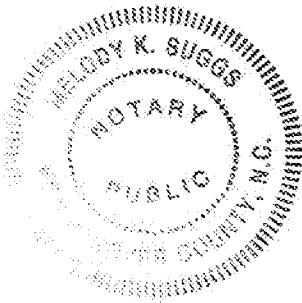
Date: 25 FEB 13

STATE OF NORTH CAROLINA

COUNTY OF NEW HANOVER

This 25<sup>th</sup> day of February, 2013 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 executed the same of his own free will for the purposes therein set forth.

Seal



Melody K. Suggs  
(Notary Public)

My commission expires: 10-27-2013

INVENTOR 2

  
Brian Scott TRIPLETT

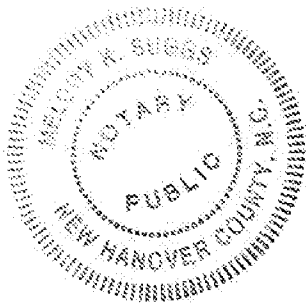
Date: 7 March 2013

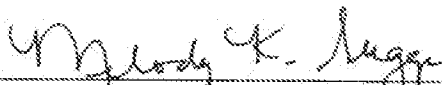
STATE OF NORTH CAROLINA

COUNTY OF NEW HANOVER

This 4<sup>th</sup> day of March, 2013 before me personally came the above-named **Brian Scott TRIPLETT**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal



  
(Notary Public)

My commission expires: 10-27-2013

INVENTOR 3

Brett Jameson  
Brett Jameson DOOIES

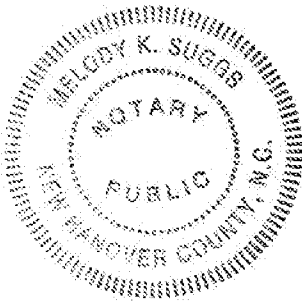
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STATE OF NORTH CAROLINA

COUNTY OF NEW HANOVER

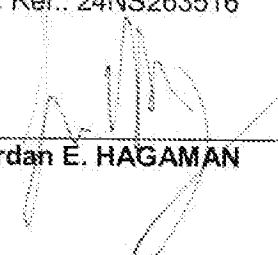
This 27<sup>th</sup> day of February, 2013 before me personally came the above-named **Brett Jameson DOOIES**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal



Melody K. Suggs  
(Notary Public)

My commission expires: 10-27-2013

  
\_\_\_\_\_  
Jordan E. HAGAMAN

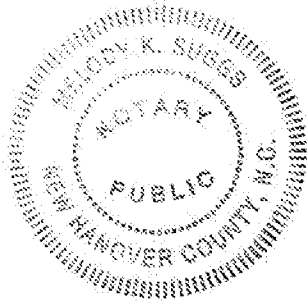
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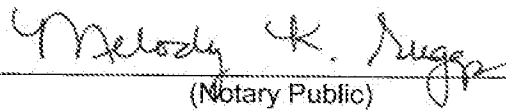
STATE OF NORTH CAROLINA

COUNTY OF NEW HANOVER

This 27<sup>th</sup> day of February, 2013 before me personally came the above-named Jordan E. Hagaman, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal



  
\_\_\_\_\_  
(Notary Public)

My commission expires: 10-27-2013