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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3573917

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ERIC PAUL LOEWEN | 09/28/2015 |
| BRETT JAMESON DOOIES | 09/28/2015 |
| SETH RYAN PAUL STREGE | 09/28/2015 |
| NICHOLAS FRANCIS O'NEILL | 09/28/2015 |
| DANA CHRISTINE MIRANDA | 09/28/2015 |
| HALEY MICHELLE COWEN | 09/28/2015 |
| RECEIVING PARTY DATA | |
| Name: | GE-HITACHI NUCLEAR ENERGY AMERICAS LLC |
| Street Address: | 3901 CASTLE HAYNE ROAD |
| City: | WILMINGTON |
| State/Country: | NORTH CAROLINA |
| Postal Code: | 28401 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14885059 |
| CORRESPONDENCE DATA | |
| Fax Number: | (703)668-8200 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | 703-668-8000 |
| Email: | dcmalroom@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: | 8564-000335-US |
| NAME OF SUBMITTER: | GARY D. YACURA, REG. #35,416 |
| SIGNATURE: | /Gary D.Yacura/ |
| DATE SIGNED: | 10/16/2015 |
| Total Attachments: 8 | |

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

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

This declaration and assignment are directed to:

PASSIVE FIRE RESPONSE SYSTEM AND METHOD OF MANUFACTURING

- the specification of which is attached hereto OR
- United States application or PCT international application number _____ filed on _____, as amended on [date] (if applicable).
(I 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 me.

I believe that I am the original inventor of the claimed inventions in the application.

I 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.

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

I 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 my 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 my employer), and/or for other good and valuable consideration of which I acknowledge receipt, I,

| Inventor First Name | Inventor Middle Name | Inventor Last Name | | Residence Town | Residence State | Residence Country |
|---------------------|----------------------|--------------------|----|----------------|-----------------|-------------------|
| Eric | Paul | Loewen | of | Wilmington | NC | US |
| Brett | Jameson | Dooies | of | Wilmington | NC | US |
| Seth | Ryan Paul | Strege | of | Wilmington | NC | US |
| Nicholas | Francis | O'Neill | of | Alpharetta | GA | US |
| Dana | Christine | Miranda | of | Wilmington | NC | US |
| Haley | Michelle | Cowen | of | Wilmington | NC | US |

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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 my entire respective rights, titles and interests in and to the invention and improvements made or conceived by me described in the application(s) listed above and in the following table:

| Country of Filing | Type of Filing | Application Number | Filing Date | Title |
|-------------------|----------------|--------------------|-------------|-------|
| | | | | |
| | | | | |
| | | | | |

(I 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, I will communicate to the Company or its representatives or nominees any facts known to me 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

Signature: *Eric Paul Loewen*
Eric Paul Loewen

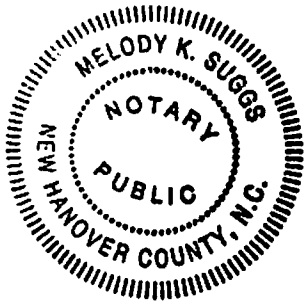
Date: 28 SEP 15

STATE OF North Carolina

COUNTY OF New Hanover

This 28th day of September, 2015 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: 01-15-2019

INVENTOR 2

Signature: Brett Jameson Dooies
Brett Jameson Dooies

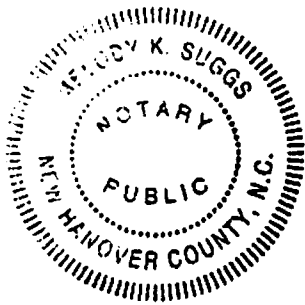
Date: 28 Sep 15

STATE OF North Carolina

COUNTY OF New Hanover

This 28th day of September, 2015 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. Sluggs
(Notary Public)

My commission expires: 01-15-2019

INVENTOR 3

Signature: 
Seth Ryan Paul Strege

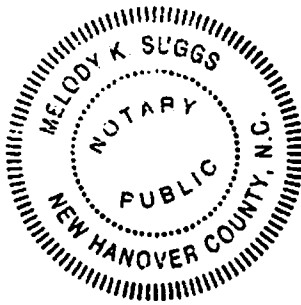
Date: 9/28/15

STATE OF North Carolina

COUNTY OF New Hanover

This 28th day of September, 2015 before me personally came the above-named Seth Ryan Paul Strege 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



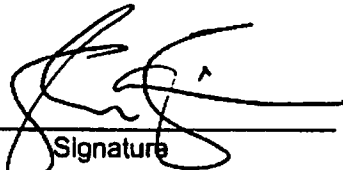

(Notary Public)

My commission expires: 01-15-2019

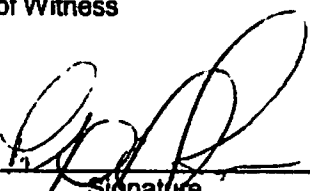
INVENTOR 4

Signature: 
Nicholas Francis O'Neill

Date: 9/28/2015

Witnessed by: 
Signature
SHANE SINGLETARY
Printed Name of Witness

Date: 9/28/2015

Witnessed by: 
Signature
PHILIP RHODES
Printed Name of Witness

Date: 09.28.2015

INVENTOR 5

Signature: 
Dana Christine Miranda

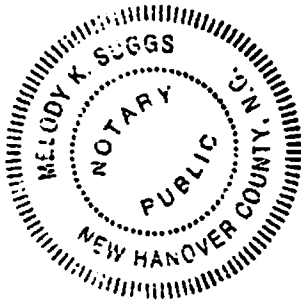
Date: 09/28/2015

STATE OF North Carolina

COUNTY OF New Hanover

This 28th day of September, 2015 before me personally came the above-named Dana Christine Miranda to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that she executed the same of her own free will for the purposes therein set forth.

Seal




(Notary Public)

My commission expires: 01-15-2019

INVENTOR 6

Signature: *Haley M. Cowen*
Haley Michelle Cowen

Date: 9-28-15

STATE OF North Carolina

COUNTY OF New Hanover

This 28th day of September, 2015 before me personally came the above-named Haley Michelle Cowen to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that she executed the same of her own free will for the purposes therein set forth.

Seal



Melody K. Meyer
(Notary Public)

My commission expires: 01-15-2019