

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Mark R. Heinold</td> <td>11/12/2012</td> </tr> <tr> <td>Yogeshwar Dayal</td> <td>11/12/2012</td> </tr> <tr> <td>Martin W. Brittingham</td> <td>11/16/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mark R. Heinold	11/12/2012	Yogeshwar Dayal	11/12/2012	Martin W. Brittingham	11/16/2012		
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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											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13709725</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13709725						
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CORRESPONDENCE DATA											
Fax Number: 5717321878 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 571 335-7300 Email: office@alleylegal.com Correspondent Name: Ryan Alley Intellectual Property Law Address Line 1: P.O. Box 3698 Address Line 4: Arlington, VIRGINIA 22203											
ATTORNEY DOCKET NUMBER:	5.0021.1 (24IG259419)										
NAME OF SUBMITTER:	Ryan E. Alley										
	This document serves as an Oath/Declaration (37 CFR 1.63).										
Total Attachments: 5											

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**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:

**SYSTEMS AND METHODS FOR HARVESTING AND STORING MATERIALS PRODUCED IN
A NUCLEAR REACTOR**

- ☐ the specification of which is attached hereto OR
- ☒ United States application or PCT international application number
13/709,725 filed on December 10, 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 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 General Electric Company, a New York corporation, and our employers), and/or for other good and valuable consideration of which we acknowledge receipt, we,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
Mark	R.	Heinold	of	San Jose	CA	US
Yogeshwar		Dayal	of	San Jose	CA	US
Martin	W.	Brittingham	of	Wilmington	NC	US

hereby sell and assign to:

Name of Company: GE-Hitachi Nuclear Energy Americas LLC
Entity Type (optional):
Address: 3901 Castle Hayne Road, Wilmington, NC 28401

herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made and 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
US	Nonprovisional	13/709,725	2012-12-10	SYSTEMS AND METHODS FOR HARVESTING AND STORING MATERIALS PRODUCED IN A NUCLEAR REACTOR

(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, reexaminations 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, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths 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

Mark R. Heinold

Date: 11/12/2012

Inventor Name: Mark R. Heinold

STATE OF CA

COUNTY OF Santa Clara

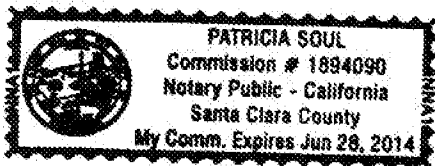
This 12th day of November, 2012 before me personally came the above-named **Mark R. Heinold**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal

Patricia Soul

(Notary Public)

My commission expires: June 28, 2014



INVENTOR 2

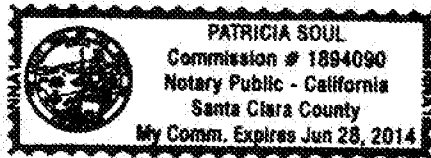
Yogeshwar Dayal
Inventor Name: Yogeshwar Dayal

Date: Nov 12, 2012

STATE OF CA
COUNTY OF SANTA CLARA

This 12th day of November, 2012 before me personally came the above-named Yogeshwar Dayal, 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



Patricia Soul

(Notary Public)

My commission expires:

June 28, 2014

INVENTOR 3

Signature: Martin W. Brittingham
Martin W. Brittingham

Date: 11/16/2012

Witnessed by: [Signature]
Signature

Date: 11-16-2012

John A. Stallings
Printed Name of Witness

Witnessed by: [Signature]
Signature

Date: 11-16-2012

Mark E. Elliott
Printed Name of Witness