

PATENT ASSIGNMENT

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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>Shyam SIVARAMAKRISHNAN</td> <td>12/07/2012</td> </tr> <tr> <td>Todd Alan ANDERSON</td> <td>12/11/2012</td> </tr> <tr> <td>Matthew David D'ARTENAY</td> <td>12/17/2012</td> </tr> <tr> <td>Robert Bruce KINGSLEY</td> <td>12/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	Shyam SIVARAMAKRISHNAN	12/07/2012	Todd Alan ANDERSON	12/11/2012	Matthew David D'ARTENAY	12/17/2012	Robert Bruce KINGSLEY	12/07/2012
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>General Electric Company</td> </tr> <tr> <td>Street Address:</td> <td>1 River Road</td> </tr> <tr> <td>City:</td> <td>Schenectady</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>12345</td> </tr> </table>		Name:	General Electric Company	Street Address:	1 River Road	City:	Schenectady	State/Country:	NEW YORK	Postal Code:	12345
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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>13693762</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13693762						
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CORRESPONDENCE DATA											
Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 6132375160 Email: jsanford@blg.com Correspondent Name: Borden Ladner Gervais LLP Address Line 1: 1100-100 Queen Street Address Line 4: Ottawa, CANADA K1P 1J9											
ATTORNEY DOCKET NUMBER:	PAT 92364-2										
NAME OF SUBMITTER:	Janet Sanford										
	This document serves as an Oath/Declaration (37 CFR 1.63).										

CH \$40.00 13693762

Total Attachments: 6

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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:

PUMPING SYSTEM WITH ENERGY RECOVERY AND REVERSE OSMOSIS SYSTEM

- ☐ the specification of which is attached hereto OR
- ☒ United States application or PCT international application number
13/693,762 filed on December 4, 2012.
(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 General Electric Company, a New York 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
Shyam		SIVARAMAKRISHNAN	of	Niskayuna	NY	U.S.A.
Todd	Alan	ANDERSON	of	Niskayuna	NY	U.S.A.
Matthew	David	D'ARTENAY	of	San Diego	CA	U.S.A.
Robert	Bruce	KINGSLEY	of	Yakima	WA	U.S.A.

hereby sell and assign to:

Name of Company: <i>General Electric Company</i>
Entity Type (optional): <i>New York corporation</i>
Address: <i>1 River Road, Schenectady, New York 12345 USA</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

Signature: *Shyam Sivaramakrishnan*
Shyam SIVARAMAKRISHNAN

Date: 12/07/12

Witnessed by: *Ganesh Krishnamoorthy*
Signature

Date: 12/07/12

GANESH KRISHNAMOORTHY
Printed Name of Witness

Witnessed by: *P. Mark Lusted*
Signature

Date: 12/07/12

P. MARK LUSTED
Printed Name of Witness

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

Date: _____

Shyam SIVARAMAKRISHNAN

STATE OF

SS.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Shyam SIVARAMAKRISHNAN**, 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: Todd Alan Anderson
Todd Alan ANDERSON

Date: Dec 11, 2012

Witnessed by: Wendy Lin
Signature

Date: Dec 11, 2012

Wendy Lin
Printed Name of Witness

Witnessed by: Peggy Bachmann
Signature

Date: 12-11-12

PEGGY BACHMANN
Printed Name of Witness

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

Date: _____

Todd Alan ANDERSON

STATE OF

ss.

COUNTY OF

This _____ day of _____, before me personally came the above-named **Todd Alan ANDERSON**, 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: [Signature]
Matthew David D'ARTENAY

Date: 12/17/2012

Witnessed by: [Signature]
Signature
JUSTIN D'ARTENAY
Printed Name of Witness

Date: 12/17/12

Witnessed by: [Signature]
Signature
Michael Connor
Printed Name of Witness

Date: 12/17/12

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

Date: _____

Matthew David D'ARTENAY

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named Matthew David D'ARTENAY, 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: *Robert B. Kingsley*
Robert Bruce KINGSLEY

Date: 07-DEC. 2012

Witnessed by: *Jochem Heeseemann*
Signature

Date: 07-Dec-2012

Jochem Heeseemann
Printed Name of Witness

Witnessed by: *Paul Richards*
Signature

Date: 07-DEC-12

Paul Richards
Printed Name of Witness

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

Date: _____

Robert Bruce KINGSLEY

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Robert Bruce KINGSLEY**, 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)