

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4444672

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KAI ZHANG	04/18/2013
JOHN H. BARBER	04/22/2013
RUSSELL JAMES MACDONALD	04/18/2013
YONGCHANG ZHENG	04/18/2013
LI MAY GOH	04/18/2013
YAN GAO	04/25/2013
YONGHONG ZHAO	04/18/2013
RECEIVING PARTY DATA	
Name:	GENERAL ELECTRIC COMPANY
Street Address:	1 RIVER ROAD
City:	SCHENECTADY
State/Country:	NEW YORK
Postal Code:	12345
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15613949
CORRESPONDENCE DATA	
Fax Number:	(416)361-2525
<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:	4163676404
Email:	jsanford@blg.com
Correspondent Name:	BLG (GE) BORDEN LADNER GERVAIS LLP
Address Line 1:	1300-100 QUEEN STREET
Address Line 4:	OTTAWA, CANADA K1P 1J9
ATTORNEY DOCKET NUMBER:	PAT 92387AW-2
NAME OF SUBMITTER:	JANET SANFORD
SIGNATURE:	/Janet Sanford/
DATE SIGNED:	06/05/2017

Total Attachments: 9

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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:

ION EXCHANGE MEMBRANES CONTAINING INORGANIC PARTICLES

- ☐ the specification of which is attached hereto OR
- ☒ United States application or PCT international application number
PCT/US2013/036338 filed on April 12, 2013.
(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
Kai		ZHANG	of	Singapore	Singapore	SG
John	H.	BARBER	of	Guelph	Ontario	CA
Russell	James	MACDONALD	of	Westborough	MA	U.S.A.
Yongchang		ZHENG	of	Westborough	MA	U.S.A.
Li	May	GOH	of	Singapore	Singapore	SG

Yan		GAO	of	St-Romuald	Quebec	CA
Yonghong		ZHAO	of	Singapore	Singapore	SG

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: _____
Kai ZHANG

Date: 18 / 04 / 2013

Witnessed by: _____

Signature

Date: 18 / 4 / 2013

Seng Yang Goh
Printed Name of Witness

Witnessed by: _____

Signature

Date: 18 / 4 / 2013

Lee Kin Kian
Printed Name of Witness

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

Date: _____

Kai ZHANG

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Kai ZHANG**, 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: _____

John H. BARBER

Date: _____

22/April/2013

Witnessed by: _____

Signature

David Stachera

Printed Name of Witness

Date: _____

22/April/2013

Witnessed by: _____

Signature

Gangjian Guo

Printed Name of Witness

Date: _____

22/April/2013

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

Date: _____

John H. BARBER

STATE OF

SS.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **John H. BARBER**, 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: *RJ MacDonald*
Russell James MACDONALD

Date: April 18, 2013

Witnessed by: *Thomas G. Prato*
Signature

Date: April 18, 2013

THOMAS PRATO
Printed Name of Witness

Witnessed by: *Yang Zheng*
Signature

Date: April 18, 2013

Yang Zheng
Printed Name of Witness

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

Date: _____

Russell James MACDONALD

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Russell James MACDONALD**, 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: Yong Zheng
Yongchang ZHENG

Date: April 18, 2013

Witnessed by: [Signature]
Signature

Date: Apr 18, 2013

Russell J. Macdonald
Printed Name of Witness

Witnessed by: [Signature]
Signature

Date: April 18, 2013

THOMAS A. PRATO
Printed Name of Witness

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

Yongchang ZHENG

Date: _____

STATE OF

ss.


COUNTY OF

This _____ day of _____, _____ before me personally came the above-named Yongchang ZHENG, 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 5

Signature: 
Li May GOH

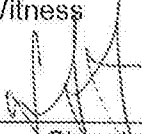
Date: 18/04/2013

Witnessed by: 

Signature

Date: 18/4/2013

Li May GOH
Printed Name of Witness

Witnessed by: 

Signature

Date: 18/4/2013

Lee Kian Kian
Printed Name of Witness

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

Date: _____

Li May GOH

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named Li May GOH, 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 6

Signature:
Yan GAO

Yan Gao

Date:

April 25, 2013

Witnessed by:

Elisabeth Leclerc

Signature

Date:

25-04-2013

Printed Name of Witness

ELISABETH LECLERC

Witnessed by:

Laurence Lambert

Signature

Date:

25-04-2013

Printed Name of Witness

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

Date:

Yan GAO

STATE OF

SS.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Yan GAO**, 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 7

Signature: Yonghong ZHAO
Yonghong ZHAO

Date: 18-4-2013

Witnessed by: M.
Signature

Date: 18-4-2013

Goh Seng Yong
Printed Name of Witness

Witnessed by: GIRISH GUNASEELA
Signature

Date: 18-4-2013

GIRISH GUNASEELA
Printed Name of Witness

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

Yonghong ZHAO

Date: _____

Yonghong ZHAO

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Yonghong ZHAO**, 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)