PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2893646

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
LIN CHEN	12/21/2012
BING ZHANG	12/21/2012
KLAUS HOCHLEITNER	01/16/2013
RONG HOU	12/21/2012
YANJU WANG	12/21/2012

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:	14364436	

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 609-514-6351

Email: LSUSPatents@ge.com

Correspondent Name: GE HEALTHCARE BIO-SCIENCES CORP. MELISSA

Address Line 1: 800 CENTENNIAL AVENUE Address Line 2: PATENT DEPARTMENT

Address Line 4: PISCATAWAY, NEW JERSEY 08855

ATTORNEY DOCKET NUMBER:	PG13028 252188
NAME OF SUBMITTER:	YONGGANG JI
SIGNATURE:	/YONGGANG JI/
DATE SIGNED:	06/11/2014
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 35

PATENT **REEL: 033076 FRAME: 0638**

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PATENT REEL: 033076 FRAME: 0639

COMBINED DECLARATION AND GLOBAL ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION

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

This declaration and assignment are directed to:

METHOD AND APPARATUS FOR ISOLATING NUCLEIC ACIDS

	the specification of which is attached hereto OR
X	United States application or PCT international application number <u>PCT/US2012/070862</u> filed on <u>20 December 2012</u> , 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.

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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 or any of its affiliates, and our employers), and/or for other good and valuable consideration of which we acknowledge receipt, I/we,

Inventor	Inventor	Inventor Last		Residence	Residence	Residence
First Name	Middle Name	Name		Town	State	Country
Lin		Chen	of	Shanghal		China
Bing		Zhang	of	Shanghai		China
Klaus		Hochleitner	of	Dassel		Germany
Rong		Hou	of	Shanghai		China
Yanju		Wang	of	Shanghai		China

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

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	Application Number	Filing Date	Title
	Filing			
China	ORD	201110436344.3	22 DEC 2011	METHOD AND APPARATUS FOR ISOLATING NUCLEIC ACIDS

(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 filling 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 parties 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.

INVENTOR 1		
Signature:	Date://////	
Witnessed by:Signature	Date:	
PAN , ZHIDA		
Printed Name of Witness		
Witnessed by: X & Z i ws Signature Xi & Z j ws	Date: 2012.12.2	
Printed Name of Witness		
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SECTION BELOW IS FOR USE ONLY IF SI	ONING IN PRESENCE OF A NOTARY Date:	9000000
SECTION BELOW IS FOR USE ONLY IF SIGNIFICATION INVENTOR Name		0000000
		9000000

Inventor Name		
Inventor Name STATE OF ss.	Date:	re- ng vill
Inventor Name STATE OF SS. COUNTY OF This day of,,,	Date:	/e- ng vill

GE Docket No. 252188-2	
INVENTOR 2	
Signature:	Date:
Witnessed by: Signature	Date:
Printed Name of Witness	
Witnessed by:Signature	Date:
Printed Name of Witness SECTION BELOW IS FOR USE ONLY IF:	
	Date:
Inventor Name	
STATE OF ss.	
COUNTY OF	
named inventor Name , to me personally kno	before me personally came the above- iwn as the individual who executed the foregoing e/she executed the same of his/her own free will
Seal	
	(Notary Public)

GE Docket No. 252188-2	
INVENTOR 3	
Signature:Klaus Hochleitner	Date:
Witnessed by: Signature	Date:
Printed Name of Witness	
Witnessed by: Signature	Date:
SECTION BELOW IS FOR USE ONLY IF	SIGNING IN PRESENCE OF A NOTARY Date:
Inventor Name	
STATE OF ss.	
This day of named Inventor Name, to me personally kn assignment, who acknowledged to me that I for the purposes therein set forth.	before me personally came the above- own as the individual who executed the foregoing he/she executed the same of his/her own free will
Seal	
	(Notary Public)

GE Docket No. 252188-2	
INVENTOR 4	
Signature: Rong Hou	Date:
Witnessed by: Signature	Date:
Printed Name of Witness	
Witnessed by: Signature	Date:
	Y IF SIGNING IN PRESENCE OF A NOTARY
	Date:
Inventor Name	
STATE OF ss.	
COUNTY OF	•
This day of	before me personally came the above- iy known as the individual who executed the foregoing that he/she executed the same of his/her own free will
Seal	
	(Notary Public)

INVENTOR 5	
Signature: Yanju Wang	Date:
Witnessed by:Signature	Date:
Printed Name of Witness	
Witnessed by:Signature	Date:
SECTION BELOW IS FOR USE ONLY IF	SIGNING IN PRESENCE OF A NOTARY
Inventor Name	
STATE OF ss.	
This day of, named <u>Inventor Name</u> , to me personally knassignment, who acknowledged to me that for the purposes therein set forth.	before me personally came the above- nown as the individual who executed the foregoing he/she executed the same of his/her own free will
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COMBINED DECLARATION AND GLOBAL ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION

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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 or any of its affiliates, 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
Lin		Chen	of	Shanghai		China
Bing		Zhang	of	Shanghai		China
Klaus		Hochleitner	of	Dassel		Germany
Rong		Hou	of	Shanghai		China
Yanju		Wang	of	Shanghai		China

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

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***************************************	Country of Filing	Type of Filing	Application Number	Filing Date	Title
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(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.)

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Page 3 of 7

INVENTOR 2 Signature: Bing Zhang	Date:	2012.12.21
Witnessed by: Signature PAN , ZHIDA Printed Name of Witness		2012 12 2/
Witnessed by: Xia Zijun Signature Xia Zijun Printed Name of Witness		2012.12.21
SECTION BELOW IS FOR USE ONLY IF SI		SENCE OF A NOTARY
3	Date:	
Inventor Name		
STATE OF ss.		
This day of named inventor Name, to me personally know assignment, who acknowledged to me that he/for the purposes therein set forth.	before me n as the individual she executed th	e personally came the above- ual who executed the foregoing se same of his/her own free will

GE Docket No. 252188-2	
INVENTOR 3	
Signature: Klaus Hochleitner	Date:
Witnessed by: Signature	Date:
Printed Name of Witness	
Witnessed by: Signature	Date:
Printed Name of Witness SECTION BELOW IS FOR USE ONLY IF S	
	Date:
Inventor Name	
STATE OF ss.	
This day of, named Inventor Name, to me personally know assignment, who acknowledged to me that he for the purposes therein set forth.	before me personally came the above- vn as the individual who executed the foregoing /she executed the same of his/her own free will
Seal	
	(Notary Public)

GE Docket No. 252188-2	
INVENTOR 4	
Signature:Rong Hou	Date:
Witnessed by: Signature	Date:
Printed Name of Witness	
Witnessed by:Signature	Date:
	F SIGNING IN PRESENCE OF A NOTARY
	Date:
Inventor Name	
STATE OF ss.	
COUNTY OF	
This day of named <u>inventor Name</u> , to me personally k assignment, who acknowledged to me that for the purposes therein set forth.	before me personally came the above- tnown as the individual who executed the foregoing t he/she executed the same of his/her own free will
Seal	
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INVENTOR 5	
Signature: Yanju Wang	Date:
Witnessed by:Signature	Date:
Printed Name of Witness	
Witnessed by:Signature	Date:
Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY	Y IF SIGNING IN PRESENCE OF A NOTARY
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Inventor Name	
STATE OF ss.	
COUNTY OF	
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Inventor	Inventor	Inventor Last		Residence	Residence	Residence
First Name	Middle Name	Name		Town	State	Country
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Bing		Zhang	of	Shanghal		China
Klaus		Hochleitner	of	Dassel		Germany
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INVENTOR 1					
Signature: Lin Chen			Date:		~
Witnessed by:	Signature		Date:		n
Printed Name of W	/itness				
Witnessed by:	Signature		Date:		(1)
			VG IN PRESE	NCE OF A NOTARY	/
		Dat	e:		
Inventor Name					
STATE OF		SS.			
COUNTY OF					
This day named Inventor I assignment, who a for the purposes the control of the contr	acknowledged to m	nally known as ne that he/she	before me particular the individual executed the s	ersonally came the who executed the familiary of his/her own	above- oregoing free will
Seal					
			(Notary Public)	

Page 3 of 7

INVENTOR 3	y.
Signature: All All All All All All All All All Al	Date: <u>16-4-201</u> 5
Witnessed by:Signature	Date: <u>M-Sow-2013</u>
Dr. Alexander Schenk Printed Name of Witness	<u></u> .
Witnessed by:	Date: <u>16-120-2013</u>
X. Anja Ylayuaolf Printed Name of Witness	×
SECTION BELOW IS FOR USE ONLY IF SI	GNING IN PRESENCE OF A NOTARY
	Date:
Inventor Name	
STATE OF	
county of	
named inventor Name, to me personally know	before me personally came the above- on as the individual who executed the foregoing she executed the same of his/her own free will

This ______ day of ______, _____ before me personally came the abovenamed <u>Inventor Name</u>, 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

> ... (Notary Public)

for the purposes therein set forth.

Seal

Page 6 of 7

INVENTOR 5	
Signature: Yanju Wang	Date:
Witnessed by:Signature	Date:
Printed Name of Witness	
Witnessed by:Signature	Date:
Printed Name of Witness	ONLY IF SIGNING IN PRESENCE OF A NOTARY
	Date:
Inventor Name	
STATE OF	
COUNTY OF	\$S.
named inventor Name, to me per	before me personally came the above- sonally known as the individual who executed the foregoing o me that he/she executed the same of his/her own free will
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Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
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Klaus		Hochleitner	of	Dassel		Germany
Rong		Нои	of	Shanghai		China
Yanju		Wang	of	Shanghai		China

Name of Company: General Electric Company
Entity Type (optional):
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GE Docket No. 252188-2	
INVENTOR 2	
Signature: Bing Zhang	Date:
Witnessed by: Signature	Date:
Printed Name of Witness	
Witnessed by: Signature	Date:
SECTION BELOW IS FOR USE ONLY IF S	
Inventor Name	Date:
STATE OF Ss. COUNTY OF	
This day of	before me personally came the above- two as the individual who executed the foregoing e/she executed the same of his/her own free will
Seal	
	(Notary Public)

GE Docket No. 252188-2	
INVENTOR 3	
Signature:Klaus Hochleitner	Date:
Witnessed by: Signature	Date:
Printed Name of Witness	······································
Witnessed by: Signature	Date:
SECTION BELOW IS FOR USE ONL	Y IF SIGNING IN PRESENCE OF A NOTARY
	Date:
Inventor Name	
STATE OF SS.	
COUNTY OF	
This day of named <u>Inventor Name</u> , to me personali assignment, who acknowledged to me to for the purposes therein set forth.	before me personally came the above- y known as the individual who executed the foregoing hat he/she executed the same of his/her own free will
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	(Notary Public)

INVENTOR 4	
Signature: 2009 Hen Rong Hou	Date: <u>Vec. 21, 2012</u>
Witnessed by: Signature	Date: <u>Dec. 21. 2012</u>
Gao Jic Printed Name of Witness	
Witnessed by: <u>Gurliag Wang</u> Signature	Date: <u>Jee. 21. 201</u> 2
Guoling Wang Printed Name of Witness SECTION BELOW IS FOR USE ONLY IF SH	
	Date:
inventor Name	
STATE OF	
COUNTY OF	
This day of, named <u>Inventor Name</u> , to me personally knowleasignment, who acknowledged to me that he/defor the purposes therein set forth.	before me personally came the above- n as the individual who executed the foregoing she executed the same of his/her own free will
Seal	
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Page 6 of 7

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Signature: Yanju Wang		Date:	
	Signature		
Printed Name of Wit	ness		
Witnessed by:	Signature	Date:	
Printed Name of Wit	ness W IS FOR USE ONLY IF S	SIGNING IN PRESENCE (
Inventor Name		Date:	
STATE OF			
COUNTY OF	șs.	e.	
This day on named Inventor Na assignment, who actor the purposes the	of, <u>me,</u> to me personally know knowledged to me that he rein set forth.	before me person wn as the individual who e /she executed the same	ally came the above- executed the foregoing of his/her own free will
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COMBINED DECLARATION AND GLOBAL ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION

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

This declaration and assignment are directed to:

METHOD AND APPARATUS FOR ISOLATING NUCLEIC ACIDS

	the specification of which is attached hereto OR
Х	United States application or PCT international application number PCT/US2012/070862 filed on 20 December 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 filling date of the prior application and the filling 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 or any of its affiliates, 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
Lin		Chen	ol	Shanghai		China
Bing		Zhang	of	Shanghai		China
Klaus		Hochleitner	of	Dassel		Germany
Rong		Hou	of	Shanghai		China
Yanju		Wang	of	Shanghai		China

***********	Name of Company: General Electric Company
ì	Entity Type (optional):
į	
-	Address: 1 River Road, Schenectady, New York 12345 USA

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
-	China	ORD	201110436344.3	22 DEC 2011	METHOD AND APPARATUS FOR ISOLATING NUCLEIC ACIDS

(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.

GE Docket No. 252188-2	
INVENTOR 1	
Signature: Lin Chen	Date:
Witnessed by:Signature	Date:
Printed Name of Witness	
Witnessed by: Signature	Date:
Printed Name of Witness SECTION BELOW IS FOR USE ONLY IF S	IGNING IN PRESENCE OF A NOTARY
	Date:
Inventor Name	
STATE OF	
COUNTY OF	
This day of named inventor Name, to me personally know assignment, who acknowledged to me that he for the purposes therein set forth.	before me personally came the above- vn as the individual who executed the foregoing /she executed the same of his/her own free will
Seal	
	(Notary Public)

GE Docket No. 252188-2		
INVENTOR 2		
Signature:	Date:	
Witnessed by: Signature	Date:	
Printed Name of Witness		
Witnessed by: Signature	Date:	
Printed Name of Witness SECTION BELOW IS FOR USE ONLY IF S		
	Date:	
Inventor Name		
STATE OF		
COUNTY OF		
This day of named Inventor Name, to me personally kno assignment, who acknowledged to me that he for the purposes therein set forth.	before me personally came with as the individual who executed the e/she executed the same of his/her	the above- the foregoing own free will
Seal		
	(Notary Public)	

GE Docket No. 252188-2	
INVENTOR 3	
Signature: Klaus Hochleitner	Date:
Witnessed by:Signature	Date:
Printed Name of Witness	·····
Witnessed by: Signature	Date:
Printed Name of Witness SECTION BELOW IS FOR USE ONLY IF SI	
	Date:
Invenior Name	
STATE OF	
COUNTY OF	
This day of, named Inventor Name, to me personally know assignment, who acknowledged to me that her for the purposes therein set forth.	before me personally came the above- on as the individual who executed the foregoing she executed the same of his/her own free will
Seal	
	(Notary Public)

GE Docket No. 252188-2	
INVENTOR 4	
Signature: Rong Hou	Date:
Witnessed by: Signature	Date:
Printed Name of Witness	
Witnessed by:Signature	Date:
Printed Name of Witness SECTION BELOW IS FOR USE O	NLY IF SIGNING IN PRESENCE OF A NOTARY
	Date:
Inventor Name	
STATE OF COUNTY OF	§§.
This day of	before me personally came the above- nally known as the individual who executed the foregoing e that he/she executed the same of his/her own free will
Seal	

INVENTOR 5	
Signature: SJJL Y	Date: 12/21/2012
Witnessed by: Signature	Date: /2/21 /2012
Huiging Wa Printed Named of Witness Witnessed by: Signature Sheng xha Liv Printed Name of Witness	Date: <u>[2/3//2-0/2</u>
SECTION BELOW IS FOR HEE ONLY IF SIGNING	C IN DESCENCE OF A NOTABY
SECTION BELOW IS FOR USE ONLY IF SIGNING	G IN PRESENCE OF A NOTARY
	G IN PRESENCE OF A NOTARY
Date: Inventor Name STATE OF	
Date:	
Date: Inventor Name STATE OF ss.	before me personally came the above- he individual who executed the foregoing
Inventor Name STATE OF SS. COUNTY OF This	before me personally came the above- he individual who executed the foregoing

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