503931506 07/26/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3978160

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HABEEB KHAN PATHAN	07/12/2016
PAUL LLOYD FLYNN	07/12/2016
PRITAMKUMAR GANGWAL	07/12/2016
JAMES ROBERT SCHREINER	07/12/2016
BHANUPRAKASH HARANAHALLI PANCHAKSHARI	07/12/2016
ANINDA BHATTACHARYA	07/18/2016
GANESASUBRAMANIAN MURUGESAN	07/18/2016
MILAN PALINDA KARUNARATNE	07/21/2016
DANIEL CULLEN	07/18/2016

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:	15219490

CORRESPONDENCE DATA

Fax Number: (203)373-7153

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: 203-366-7482

Email: Claire.Murray@ge.com

Correspondent Name: GE GLOBAL PATENT OPERATION

Address Line 1: 3135 EASTON TURNPIKE

Address Line 4: FAIRFIELD, CONNECTICUT 06828

ATTORNEY DOCKET NUMBER:	310910 _1
NAME OF SUBMITTER:	JOHN A. KRAMER

PATENT 503931506 REEL: 039259 FRAME: 0279

SIGNATURE:	/John A. Kramer/
DATE SIGNED:	07/26/2016
Total Attachments: 11	
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PATENT REEL: 039259 FRAME: 0280

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:

the specification of which is attached hereto OR United States application or PCT international application number filed on _______, 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 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
Habeeb	Khan	Pathan	of	Andhra Pradesh		IN
Paul	Lloyd	Flynn	of	Lawrence Park	PA	US
Pritamkumar		Gangwal	of	Bangalore		IN
James	Robert	Schreiner	of	Erie	PA	US
Bhanuprakash		Haranahalli	of	Bangalore		IN

Page 1 of 12

		Panchakshari				
Aninda		Bhattacharya	of	Bangalore		IN .
Ganesasubramanian		Murugesan	of	Bangalore		IN
Milan	Palinda	Karunaratne	of	Anaheim	CA	US
Daniel		Cullen	of	Erie	PA	US

v9.18.12

hereby sell and assign to:

Name of Company: General Electric Company
Entity Type (optional): New York corporation
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

(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.

Page 2 of 12

GE Docket No. 310910-1	
х.	
INVENTOR 1	
Signature: PA-AUD Choo Habeeb Khan Pathan	Date: 12/74/2016
Witnessed by <u>QQU</u> Signature	Date: 12/JU/20/6
SHALLESH NAIR Printed Name of Witness	* * * * * * * * * * * * * * * * * * *
Witnessed by: Signature	Date: 12/70/2016
SUSEEL SURWARRAN	
Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF SIGNING	
Date	
Habeeb Khan Pathan	
STATE OF	
COUNTY OF	
This day of before day of the personally is foregoing assignment, who acknowledged to me that free will for the purposes therein set forth.	ors me personally came the above-named mown as the individual who executed the the/she executed the same of his/her own

Seal

Page 3 of 11

INVENTOR 2	
Signature: Haul LCL Paul Lloyd Flyfin	Date: 7/12/20/6 Date: 7/12/20/6
Witnessed by: Leggen Flegorian	
Paggmu F/4nn Printed Name of Witness	
Witnessed by: <u>Manay G</u> Signature	MZLC Date: 1/1-/16
Printed Name of Witness	
SECTION BELOW IS FOR USE O	INLY IF SIGNING IN PRESENCE OF A NOTARY
SECTION BELOW IS FOR USE O	Date:
Paul Lloyd Flynn	
Paul Lloyd Flynn STATE OF	
Paul Lloyd Flynn	Date:
Paul Lloyd Flynn STATE OF COUNTY OF This day of	Date:
Paul Lloyd Flynn STATE OF COUNTY OF This day of	Date: ss. before me personally came the above-named proposed the foregoing specific content of the content of the foregoing specific content of the foregoing specific content of the foregoing co

Page 4 of 11

GE Docket No. 310910-1	
INVENTOR 3	
Signature: <u>\$\frac{1}{2}\frac{1}{</u>	Date: 12-741-2016
Witnessed by:Signature	Date: 12/76/2016
SHATCESH A VAIR Printed Name of Witness	: #8.
Witnessed by: 100 Signature	Date: 12 Jul 2016
KUCUMA KUMARI • M Printed Name of Witness	a market and a mar
SECTION BELOW IS FOR USE ONLY IF SIG	INING IN PRESENCE OF A NOTARY
	Data:
Pritamkumar Gangwal	
STATE OF	
COUNTY OF	
	\$ \$\cdot \cdot \cd
Thisday of inventor, Pritamkumar Gangwal, to me perso toregoing assignment, who acknowledged to m	before me personally came the above-named nally known as the individual who executed the e that he/she executed the same of his/her own

free will for the purposes therein set forth.

Seal

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INVENTOR 4		
Signature: Charles Signature: Charles Robert Schreiner	Date: <u>7//2/2016</u>	
Witnessed by: Ask Communication Signature Charter Bury Printed Name of Witness	Date: <u>//2/20/5</u>	
Witnessed by: <u>(Lasidan &). Macella</u> Signature)	n Date: 7/12/2016	
Christopher J. Mueller Printed Namé of Witness SECTION BELOW IS FOR USE ONLY IF		*
	Date:	
James Robert Schreiner		
STATE OF COUNTY OF		
This day of inventor, <u>James Robert Schreiner</u> , to me po foregoing assignment, who acknowledged to free will for the purposes therein set forth,	before me personally came the above-name the above-name ersonally known as the individual who executed me that he/she executed the same of his/her or	ned the wn
Seal		
8	(Notary Public)	

Page 6 of 11

GE Docket No. 310910-1 INVENTOR 5 Bhanuprakash Naranahalli Panchakshari Witnessed by: SHALLESH XXAIR Printed Name of Witness Signature Printed Name of Witness SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY Bhanuprakash Haranahalli Panchakshari STATE OF 58. COUNTY OF before me personally came the above-named day of

inventor, <u>Bhenuprakash Haranahalli Pencheksheri,</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 for the purposes therein, set forth.

Seal

De	reket	No	23	റവ് :	0.1

INVENTOR 6				
Alekorlary	Data	July	18, 20	6
Signature: Aninda Bhattacharya	Date: ,		18, 20	
Witnessed by: Signature	Date: (Julg	18, 201	<u> </u>
ABHILASH MAIR				
Printed Name of Witness				
Witnessed by: An By Signature	Date: j	JOLY	18, 2014	*****
		(X.)		
ARTUN ROY Printed Name of Witness			W	
S (MOSS SECTIONS)				
SECTION BELOW IS FOR USE ONLY IF SIGN	ING IN PRE	SENCE	OF A NOTAI	?Y
De	ite:			-
Aninda Bhattacharya				
STATE OF				
ss.				
COONTY OF				
This day of, inventor, <u>Aninda Bhattacharva</u> , to me personal foregoing assignment, who acknowledged to me free will for the purposes therein set forth.	iiy known a	s the ind	iviqua: wno	executed the
Seal				
**************************************		(Notary F	Dutalia	

Page 8 of 11

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anesasubramanian Muruges	200	
rimessed by: (Rybyssa Signature	Date:	18-07-2016
not Petakar inted Name of Witness		
/itnessed by: Signature	Date:	18/07/2016
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hananjay Gadgil		RESENCE OF A NOTARY
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Page 9 of 11

GE Docket No. 310910.1			
INVENTOR 8 Signature Milan Palinda Karunaratne		Dates	37/21/16
Witnessed by // Signature		Date	
Printed Name of Winess			
Without the second seco		Date	
Francis Name of Names			
SECTION BELOW IS FOR I	JSE ONLY IF SIGNIN	GINPRE	SENCE OF A NOTARY
	Date		
STATE OF COUNTY OF	5.5		
This	<u>arabe</u> to me person knowledged to me th	ally know	personally came the above name n as the individual who executed the executed the same of his/her ow

Sea/

Page 10 of 11

INVENTOR 9	
Signature: Signature: Daniel Cullen	Date:
Witnessed by: De New Signature	Date: <u>7/18/2016</u>
PRIYA MACCAFERRI Printed Name of Wijness	
Witnessed by:	Date: <u>2/2/206</u>
Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF SIGNIN	IG IN PRESENCE OF A NOTARY
Date	· · · · · · · · · · · · · · · · · · ·
Daniel Cullen	
STATE OF	
COUNTY OF	
This day of b inventor, <u>Daniel Cullen</u> , to me personally known a assignment, who acknowledged to me that he/she at the purposes therein set forth.	
Seal	
	(Notary Public)

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