PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3135132

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
MANTHRAM SIVASUBRAMANIAM	11/18/2014
MANOJ GOKHALE	11/18/2014
VENKATESWARLU ANDRA	11/19/2014
ANKUR SINHA	11/19/2014
SANKETH BHAT	11/18/2014
LUKE HENRY	11/21/2014
JAMES ROBERT MISCHLER	12/02/2014
GREG THOMAS POLKUS	11/19/2014

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:	14561892

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: 2039446710 Email: gpo.mail@ge.com

Correspondent Name: GE GLOBAL PATENT OPERATION -- TRANSPORTA

Address Line 1: 3135 EASTON TURNPIKE

Address Line 4: FAIRFIELD, CONNECTICUT 06828

ATTORNEY DOCKET NUMBER:	268703
NAME OF SUBMITTER:	JOHN A. KRAMER
SIGNATURE:	/John A. Kramer/
DATE SIGNED:	12/05/2014
	PATENT

503088527 REEL: 034393 FRAME: 0071

Total Attachments: 24 source=268703-1_US_Declaration_Assignment(combined)#page1.tif source=268703-1 US Declaration Assignment(combined)#page2.tif source=268703-1 US Declaration Assignment(combined)#page3.tif source=268703-1 US Declaration Assignment(combined)#page4.tif source=268703-1 US Declaration Assignment(combined)#page5.tif source=268703-1 US Declaration Assignment(combined)#page6.tif source=268703-1 US Declaration Assignment(combined)#page7.tif source=268703-1_US_Declaration_Assignment(combined)#page8.tif source=268703-1 US Declaration Assignment(combined)#page9.tif source=268703-1 US Declaration Assignment(combined)#page10.tif source=268703-1 US Declaration Assignment(combined)#page11.tif source=268703-1 US Declaration Assignment(combined)#page12.tif source=268703-1 US Declaration Assignment(combined)#page13.tif source=268703-1 US Declaration Assignment(combined)#page14.tif source=268703-1_US_Declaration_Assignment(combined)#page15.tif source=268703-1_US_Declaration_Assignment(combined)#page16.tif source=268703-1 US Declaration Assignment(combined)#page17.tif source=268703-1 US Declaration Assignment(combined)#page18.tif source=268703-1 US Declaration Assignment(combined)#page19.tif source=268703-1 US Declaration Assignment(combined)#page20.tif source=268703-1 US Declaration Assignment(combined)#page21.tif source=268703-1 US Declaration Assignment(combined)#page22.tif source=268703-1 US Declaration Assignment(combined)#page23.tif source=268703-1 US Declaration Assignment(combined)#page24.tif

FOR UTILITY OR DESIGN PATENT APPLICATION

As the below named inventor, I hereby declare that:

This declaration and assignment are directed to:

SYSTEM AND METHOD FOR ENGINE CONTROL

X	the specification of which is attached hereto OR
	United States application or PCT international application number
	filed on, as
	amended on [date] (if applicable).
	(I 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 me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I 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.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

I 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 my 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 my employer), and/or for other good and valuable consideration of which I acknowledge receipt, I,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
MANOJ		GOKHALE	of	BANGALORE	KARNATAKA	IN

v9.18.12 1

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 my entire rights, titles and interests in and to the invention and improvements made or conceived by me described in the application(s) listed above and in the following table:

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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, I will communicate to the Company or its representatives or nominees any facts known to me 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/assignor potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this assignment.

v9.18.12 2

3E Docket No. 268703	
NVENTOR:	
Signature: <u>17444</u> MANOJ GOKHALE	Date: Nov 18, 2014
Witnessed by: \$ignature	Date: <u>Nev 18, 2074</u>
SURUTE AN ADE. Printed Name of Witness	
Witnessed by: Andra Kall Zee Signature Antrodya Kally DE	Date: <u>//07 13, 2014</u>
ANIADA KAATA DE Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF SIGNI	NG IN PRESENCE OF A NOTARY
Dai	
Manoj Gokhale	
STATE OF 38.	
COUNTY OF	
This day of be MANOJ GOKHALE, to me personally known as the assignment, who acknowledged to me that be/she can be purposed therein set forth.	ofore me personally came the above-named individual who executed the foregoing executed the same of his/her own free will for
Seal Seal	
	(Notary Poblic)

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v9.18.12 2

INVENTOR	
Signature:	Date: 18 NOVEMBER 2014
Witnessed by: Signature	Date: 18 NOVEMBER 2019
VISITAL RAVENDRA Printed Name of Witness	
Witnessed by: Signature	Date: 18" NOVEMBER 201
Printed Name of Witness	
THREE NAME OF WILLIESS	
SECTION BELOW IS FOR USE ONLY IF SIGN	IING IN DRESENCE OF A NOTARY
	TO THE CONTROL OF A HOTAIT
MANTH RAM SIVASUBRAMANIAM	ate:
STATE OF	
COUNTY OF	
This day of,,	ially known as the individual who executed the
Seal	

v9.18.12

GE Docket No. 268703

3

(Notary Public)

acknowledge receipt, I,

COMBINED DECLARATION AND GLOBAL ASSIGNMENT

FOR UTILITY OR DESIGN PATENT APPLICATION

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	nowledge that any willful false statement made in this declaration is punishable \$ 1001 by fine or imprisonment of not more than five (5) years, or both.
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application a material infor	e the duty to disclose information which is material to the patentability of this s defined in 37 CFR § 1.56, including, for continuation-in-part applications, mation which became available between the filing date of the prior application date of the continuation-in-part application.
In accordance	e with my obligation(s) under an Employee Innovation and Proprietary

Inventor	Inventor	Inventor Last		Residence	Residence	Residence
First Name	Middle Name	Name		Town	State	Country
ANIZHD		CIVILIA	Ωf	ALMEDARAD	CHIADAT	INI

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 my employer), and/or for other good and valuable consideration of which I

v9.18.12

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

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v9.18.12 2

GE Docket No. 268703

INVENTOR	
Signature: Ankurlinha	Date: 19th November, 2014
Witnessed by:	Date: 19 Nov, 2014
AJAY KUMAR Printed Name of Witness	
Witnessed by: Signature	Date: 19 NOV 2014
SHRIRAT THATTE Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF SIGN	IING IN PRESENCE OF A NOTARY
ANKUR SINHA	ate:
Auton Sixin	
STATE OF	•
COUNTY OF	
This day of,b ANKUR SINHA, to me personally known as the in assignment, who acknowledged to me that he/she the purposes therein set forth.	dividual who executed the foregoing
Seal	
	(Notary Public)

v9.18.12

FOR UTILITY OR DESIGN PATENT APPLICATION

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	2121EM AND METHOD FOR ENGINE CONTROL	
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The abo	ve-identified application was made or authorized to be made by me.	
I believe the appli	that I am the original inventor or an original joint inventor of a claimed invention in cation.	3
I hereby under 18	acknowledge that any willful false statement made in this declaration is punishable USC § 1001 by fine or imprisonment of not more than five (5) years, or both.)
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Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
GREG	THOMAS	POLKUS	of	WAUKESHA	WI	US

v9.18.12

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v9.18.12

INVENTOR	general section of the section of th
Signature: //w// GREG THOMAS POLKUS	Date: <u>////9/20 /4</u>
Witnessed by: Signature	Date: 11/19/7014
Printed Name of Witness	
Witnessed by: Signature	Date: 11/19/2014
Kevin Konkle Printed Name of Witness	_
SECTION BELOW IS FOR USE ONLY IF S	IGNING IN PRESENCE OF A NOTARY
GREG THOMAS POLKUS	Date:
STATE OF	
COUNTY OF	
Thisday of, GREG THOMAS POLKUS, to me personally kr assignment, who acknowledged to me that he/s the purposes therein set forth.	_ before me personally came the above-named nown as the individual who executed the foregoing the executed the same of his/her own free will for
Seal	
	(Notary Public)

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Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
JAMES	ROBERT	MISCHLER	of	ERIE	PA	US

v9.18.12

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

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v9.18.12 2

INVENTOR	
Signature: Jack Seld Neill JAMES BOBERT MISCHLER	Date: 12/2/14
Witnessed by: Signature	Date: (2/2/14
Ralph Wheeland Printed Name of Witness	
Witnessed by: Manager Signature	Date: 12/2/14
Taylor Gray Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF S	GNING IN PRESENCE OF A NOTARY
JAMES ROBERT MISCHLER	Date:
STATE OF ss.	
This day of, JAMES ROBERT MISCHLER, to me personall foregoing assignment, who acknowledged to make the purposes therein set forth.	_ before me personally came the above-named y known as the individual who executed the e that he/she executed the same of his/her own
Seal	
	(Notary Public)

v9.18.12

LUKE

COMBINED DECLARATION AND GLOBAL ASSIGNMENT

FOR UTILITY OR DESIGN PATENT APPLICATION

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This d

This declara	tion and assig	ınment are directe	d to	y V			
	SYST	EM AND METHO	D F	OR ENGINE CONT	TROL		
X	X the specification of which is attached hereto OR						
	United State	United States application or PCT international application number filed on, as					
	(I hereby au		the	Company or its dele d filing date of the ap			
The above-id	dentified appli	cation was made	or a	uthorized to be ma	de by me.		
I believe that the application	,	ginal inventor or a	n or	iginal joint inventoi	r of a claimed	invention in	
				ement made in this f not more than fiv			
		rstand the conten y any amendment		the above-identificerred to above.	ed application	, including	
application a material info	as defined in rmation which	37 CFR § 1.56,	incl le be	which is material luding, for continustween the filing dablication.	ation-in-part	applications,	
Information a limited to, t	Agreement or he Services and my empl	(as applicable) a Agreement betw	risin reen	an Employee Inr g out of other agre General Electric good and valuabl	ements (such Company, a	as, but not New York	
Inventor First Name	Inventor Middle	Inventor Last Name		Residence Town	Residence State	Residence Country	

v9.18.12 1

of ERIE

HENRY

PATENT REEL: 034393 FRAME: 0088

US

PA

Name of Company: General Electric Company
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INVENTOR	
Signature: A M A L	Date: 11/21/2014
Witnessed by: Signature	Date: 11/21/2014
Printed Name of Witness	
Witnessed by: <u>Rel Alter</u> Signature	Date: 11/21/2014
Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF SIG	INING IN PRESENCE OF A NOTARY
LUKE HENRY	Date:
STATE OF ss.	
LUKE HENRY, to me personally known as the in	before me personally came the above-named advividual who executed the foregoing assignment, the same of his/her own free will for the purposes
Seal	
	(Notary Public)

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In accordance with my 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 my employer), and/or for other good and valuable consideration of which I acknowledge receipt, I,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
SANKETH		BHAT	of	BANGALORE	KARNATAKA	IN

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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 my entire rights, titles and interests in and to the invention and improvements made or conceived by me described in the application(s) listed above and in the following table:

Country of Filing	Type of Filing	Application Number	Filing Date	Title

(I 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, I will communicate to the Company or its representatives or nominees any facts known to me 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/assignor potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this assignment.

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INVENTOR				
Signature: SANKETH BHA	Souteath		Date:	18th Nov 2014
Witnessed by: _	Signature	-raile-andrew Month (MARCH (1979)	Date:	18 NOV 2014
VI SHAL Printed Name of	RAVEMDRA Witness			
Witnessed by: _	Signature	representation to considerate de la considerate del considerate de la considerate	Date:	18th NOV 2014
Printed Name o		NLY IF SIGNING	IN PR	ESENCE OF A NOTARY
en n 241/2" Y 2 2 5 3 3 2 5	g volge	Date:	construction of the first of th	
SANKETH BHA	₹ ₹			
STATE OF COUNTY OF		SS.		
SANKETH BHA assignment, wh	AT to me nerconally	known as the indiv	/idual v	personally came the above-named who executed the foregoing the same of his/her own free will for
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was also a substitute and an analysis of the substitute and an analysis of			AND ADMINISTRATION OF THE PROPERTY OF THE PARTY OF THE PA	(Notary Public)

FOR UTILITY OR DESIGN PATENT APPLICATION

As the below named inventor, I hereby declare that:

This declaration and assignment are directed to:

	SYSTEM AND METHOD FOR ENGINE CONTROL	
X	the specification of which is attached hereto OR	
	United States application or PCT international application number filed on	, as
	amended on [date] (if applicable). (I hereby authorize and request the Company or its delegated attorneys or ageinsert above the application number and filing date of the application when known.)	nts to
The above-id	dentified application was made or authorized to be made by me.	
I believe tha	at I am the original inventor or an original joint inventor of a claimed invention.	on in

I 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.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

I 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 my 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 my employer), and/or for other good and valuable consideration of which I acknowledge receipt, I.

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
VENKATESWARLU		ANDRA	of	BANGALORE	KARNATAKA	IN

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-	Name of Company: General Electric Company
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ı	Entity Type (optional): New York corporation
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I	Address: 1 River Road, Schenectady, New York 12345 USA
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Country of Filing	Type of Filing	Application Number	Filing Date	Title
ANT NORTH THE RESERVE				
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(I 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, I will communicate to the Company or its representatives or nominees any facts known to me 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/assignor potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this assignment.

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RECORDED: 12/05/2014

INVENTOR	
Signature: A Venkolowallo VENKATESWARLU ANDRA	Date: 19th November 2014
Witnessed by: -Signature	Date: 19th November 2014
CADBIR SINGH Printed Name of Witness	***
Witnessed by: Signature	Date: 19th November, 2014
RACHAVENDEA · D · G Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF SIG	GNING IN PRESENCE OF A NOTARY
	Dela
VENKATESWARLU ANDRA	Date:
STATE OF ss.	
This day of, VENKATESWARLU ANDRA, to me personally foregoing assignment, who acknowledged to me free will for the purposes therein set forth.	known as the individual who executed the
Seal	

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