

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5334911

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL P. ALTONJI	12/18/2018
JESSE A. BRIGDEN	01/10/2019
TODD HAYDEN	01/07/2019
PAUL GERARD NISTLER	01/04/2019
MARK DOUGLAS SMITH	12/19/2018
NEERAJ AGRAWAL	12/17/2018
GLENN SHAFFER	01/03/2019
DAVID JOSEPH SCHROECK	01/19/2019
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:	16253055
CORRESPONDENCE DATA	
Fax Number:	(314)584-4062
<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:	314-584-4080
Email:	Docket@splglaw.com, gpodckt.mail@ge.com
Correspondent Name:	GE GPO- TRANSPORTATION- THE SMALL PATENT
Address Line 1:	225 S. MERAMEC, SUITE 725
Address Line 4:	ST. LOUIS, MISSOURI 63105
ATTORNEY DOCKET NUMBER:	318454-2US (552-0406US)
NAME OF SUBMITTER:	CHRISTOPHER R. CARROLL
SIGNATURE:	/Christopher R. Carroll/

DATE SIGNED:

01/21/2019

Total Attachments: 10

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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:

LOCOMOTIVE ENGINE CONTROL SYSTEM

- 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
Michael	P.	Altonji	of	Erie	PA	US
Jesse	A.	Brigden	of	Erie	PA	US
Todd		Hayden	of	Prospect	PA	US
Paul	Gerard	Nistler	of	Arvada	CO	US
Mark	Douglas	Smith	of	Saint Johns	FL	US
Neeraj		Agrawal	of	Bangalore		IN

Glenn		Shaffer	of	Lawrence Park	PA	US
David	Joseph	Schroeck	of	Erie	PA	US

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
US	Provisional	62/689,304	06-25-2018	ENGINE CONTROL SYSTEM
US	Utility	16/134,918	09-18-2018	SYSTEM AND METHOD FOR VEHICLE DIAGNOSTICS
US	Utility	15/949,375	04-10-2018	VEHICLE INSPECTION SYSTEM

(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: Michael P. Altonji
Michael P. Altonji

Date: 12/18/2018

Witnessed by: [Signature]
Signature

Date: 12/18/2018

NIRMAL CHANDRASINGH
Printed Name of Witness

Witnessed by: [Signature]
Signature

Date: 12/18/18

GERALD WERNA
Printed Name of Witness

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

Michael P. Altonji

Date: _____

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named Michael P. Altonji, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

INVENTOR 2

Signature: Jesse A. Brigden
Jesse A. Brigden

Date: 01/10/19

Witnessed by: Morse N. Taxon
Signature

Date: 01/10/19

Morse N. Taxon
Printed Name of Witness

Witnessed by: Pises Leute
Signature

Date: 01/10/19

PISES LEUTE
Printed Name of Witness

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

Jesse A. Brigden

Date: _____

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Jesse A. Brigden**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal

(Notary Public)

INVENTOR 3

Signature: Todd Hayden

Date: _____

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

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

Todd Hayden
Todd Hayden

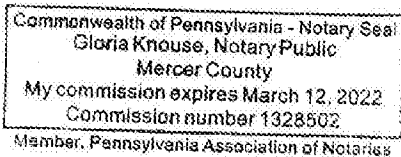
Date: 1/7/2019

STATE OF Pennsylvania
COUNTY OF Mercer SS.

This 7th day of January, 2019 before me personally came the above-named **Todd Hayden**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal

Gloria Knouse
(Notary Public)



INVENTOR 4

Signature: Paul Gerard Nistler
Paul Gerard Nistler

Date: 1/4/2019

Witnessed by: [Signature]
Signature

Date: 1/4/2019

Raul Christensen
Printed Name of Witness

Witnessed by: [Signature]
Signature

Date: 1/4/2019

Boyer Peters
Printed Name of Witness

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

Paul Gerard Nistler

Date: _____

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named Paul Gerard Nistler, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal

(Notary Public)

INVENTOR 5

Signature: Mark Douglas Smith

Date: _____

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

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

Mark Douglas Smith
Mark Douglas Smith

Date: 12/19/2019

STATE OF FL
COUNTY OF St Johns ss.

This 19th day of Dec, 2019 before me personally came the above-named **Mark Douglas Smith**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal

Scott Sites
(Notary Public)



INVENTOR 6

Signature: *Neeraj Agrawal*
Neeraj Agrawal

Date: 17th Dec 2018

Witnessed by: *Ashutosh*
Signature

Date: 17th Dec 2018

ASHUTOSH
Printed Name of Witness

Witnessed by: *Jaleendar*
Signature

Date: 17th Dec, 2018

JALENDAR
Printed Name of Witness

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

Neeraj Agrawal

Date: _____

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named Neeraj Agrawal, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.


Seal

(Notary Public)

INVENTOR 7

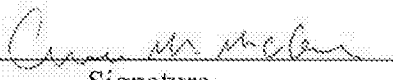
Signature: 
Glenn Shaffer

Date: JUN 3, 2019

Witnessed by: 
Signature

Date: 1/3/2019

DAVID R. GIBSON
Printed Name of Witness

Witnessed by: 
Signature

Date: 1/3/2019

CHRISTOPHER M. MCQUINN
Printed Name of Witness

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

Glenn Shaffer

Date: _____

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Glenn Shaffer**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal

(Notary Public)

INVENTOR 8

Signature: *David J. Schroeck* Date: 1-19-2019
David Joseph Schroeck

Witnessed by: *Paul Chambers* Date: 1/19/2019
Signature
Paul Chambers
Printed Name of Witness

Witnessed by: *Bradley Proper* Date: 1/19/2019
Signature
Bradley Proper
Printed Name of Witness

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

David Joseph Schroeck Date: _____

STATE OF

ss.

COUNTY OF

This ____ day of _____, _____ before me personally came the above-named **David Joseph Schroeck**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal

(Notary Public)