PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2827246

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEFFREY MICHAEL FRIES	04/07/2014
JOSEPH FORREST NOFFSINGER	04/03/2014
RICHARD LEE LAWSON	04/03/2014
ARIC ALBERT WEINGARTNER	04/03/2014
CURTIS DOYLE MECHLING	04/11/2014
AARON RICHARD MITTI	04/08/2014
MARTIN PAGET	04/03/2014
WILLIAM DAVID SHIELDS	04/03/2014

RECEIVING PARTY DATA

Name:	GENERAL ELECTRIC COMPANY	
Street Address:	1 RIVER ROAD	
City:	SCHENECTADY	
State/Country:	NEW YORK	
Postal Code:	12345	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14260338
Application Number:	61925338

CORRESPONDENCE DATA

Fax Number: (203)944-6712

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

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Correspondent Name: GE GPO- TRANSPORTATION- THE SMALL PATENT

Address Line 1:2 CORPORATE DRIVE, SUITE 648Address Line 4:SHELTON, CONNECTICUT 06484

ATTORNEY DOCKET NUMBER:	273310
NAME OF SUBMITTER:	JOHN A. KRAMER
SIGNATURE:	/John A. Kramer/
	PAICNI

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DATE SIGNED:	04/24/2014
Total Attachments: 10	
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PATENT REEL: 032744 FRAME: 0843

COMBINED DECLARATION AND GLOBAL ASSIGNMENT FÖR UTILITY OR DESIGN PATENT APPLICATION

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

This declaration and assignment are directed to:

SYSTEMS AND METHODS FOR PREDICTIVE MAINTENANCE OF CROSSINGS

\boxtimes	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
Jeffrey	Michael	Fries	of	Lee's Summit	МО	US
Joseph	Forrest	Noffsinger	of	Lee's Summit	MO	US
Richard	Lee	Lawson	of	Melbourne Beach	FL	US
Aric	Albert	Weingartner	of	Lee's Summit	MO	US
Curtis	Doyle	Mechling	of	Fleming Island	FL	US
Aaron	Richard	Mitti	of	Atlanta	GA	US
Martin		Paget	of	St. Johns	FL	US
William	David	Shields	of	Blue Springs	МО	US

hereby sell and assign to:

Name of Company: General Electric Company		
Entity Type (optional): New York corporation		
Address: 1 River Road, Schenectady, New York 1	2345 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 Provisional	Application Number 61/925338	Filing Date 9 Jan 2014	Title SYSTEMS AND METHODS
			1	FOR PREDICTIVE
			·	CROSSINGS

(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:	Jeffrey Michael Fries	Date:	ntitire de mentenna la consciona di la conscio
	hailis (minimus i ilas)		
Witnessed by		Date:	***************************************
	Signature		
Printed Name	of Witness		
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a.dl.	www. Michael Tex	Date: <u>04/07/</u>	///
Jeffrey Mich	adi Fries		
STATE OF	MISSORE SS.		
COUNTY OF	Jackson		
Jeffrey Miclassignment,	hast Fries, to me personally who acknowledged to me the	2014 before me personally can known as the individual who executed the same of his control of the control of th	cuted the foregoing
purposes the	rein set forth.	I N : 10	
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DEBRA L. MOBERG

Notary Public-Notary Sesi
State of Missouri, Jackson County
Commission # 10432108
My Commission Expires Jul 18, 2014

GE Docket No. 273310-2US (552-0230US)

INVENTOR 2			
Signature: Jose	ph Forrest Noffsinger	Date:	
Witnessed by:		Date:	enfonomelonesiassinistaninesson syytetissioosy
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Printed Name of V	Vitness		
Witnessed by:	Standard	Date:	ANNO MANAGAMAN ANNO ANNO ANNO ANNO ANNO ANNO ANNO
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(Justine		Date: 3 April	2014
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Joseph Forrest	<u>Noffsinger,</u> to me pe	عاملاً before me personally came rsonally known as the individual	who executed the
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Seal		(Notary Public)	PARTIES AND ADMINISTRATION OF THE PARTIE
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un a utilijaka ilingi Awaya Away	en e	OEBRA L. MOSERG Notery Bublis-Notery Saal	

DEBRA L. MUSERG
Notary Public-Notary Saal
State of Missouri, Jackson County
Commission & 10432108
My Commission Expires Jul 18, 2014

INAEMION 2	
Signature: Richard Lee Lawson	Date:
Witnessed by: Signature	Date:
Printed Name of Witness	
Witnessed by: Signature	Date:
Printed Name of Witness	
SECTION BELOW IS FOR USE OF	NLY IF SIGNING IN PRESENCE OF A NOTARY
Kuff Lee Lawson Richard Lee Lawson	Date: Cypil 3, 2014
STATE OF March ss.	
This day of	before me personally came the above-named known as the individual who executed the foregoing
purposes therein set forth.	hat he executed the same of his own free will for the
Notery Public State of Florida Celeste A. Nugent-Williams My Commission FF 046613 Exp.res 10:18:2017	(Notary Public)

GE Docket No. 273310-2US (552-0230US)

Signature: Albert Weingartner	Date: 4/3/14
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Witnessed by: Signature	Date:
Signature	
Printed Name of Witness	
	'들이 마상하다 보다 얼마를 다 되는데 다.
Witnessed by:	Date:
Signature	
Printed Name of Witness	
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STATE OF MISSOURI SS.	
STATE OF MISSOURI COUNTY OF Jackson This 3 day of April Aric Albert Weingartner, to me person	_, 으아무 before me personally came the above-named
STATE OF MISSOURI COUNTY OF Jackson This 3 day of April Aric Albert Weingartner, to me person assignment, who acknowledged to me	_, 으아무 before me personally came the above-named
STATE OF MISSOURI COUNTY OF Jackson This 3 day of April Aric Albert Weingartner, to me person assignment, who acknowledged to me	_, 으아부 before me personally came the above-named nally known as the individual who executed the foregoing that he executed the same of his own free will for the
This 3 day of Opul Aric Albert Weingartner, to me person	Date: 4/3/14 Date: 4/14 Date: 4/14 Date: 4/14 Date: 4/14 Date: 4/14 Date: 4/14

DEBRA L. MOBERG

Notary Public-Netsry Seal
State of Missouri, Jackson County
Commission # 10432106
My Commission Expires Jul 18, 2014

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INVENTOR 5		
Signature: Curtis Doyle Mechiling	Date: <u>4-//-/4</u>	ADDESMINA BARANSHININ PARIM
Witnessed by: Della Signature	Date: <u>9-77-74</u>	antina unico-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-
Printed Name of Witness		
Witnessed by: Angle Ewisson Signature Roman E Wiles	Date: 4-11-14	· . Wateroomanassa
Printed Name of Witness		
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Curtis Doyle Mechling	Date:	
STATE OF		
country of		
This day of	before me personally came the and as the individual who executed the same of his own free	the foregoing
Seal	(Notary Public)	hr ^a Maznainiata

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INVENTOR 6	
Signature: Aaron Richard Mitti	Date: 4-8-14
Witnessed by: Signature	Date: <u>Y-8-14</u>
Devin Sabo Printed Name of Witness	
Witnessed by: ANKUlluw- Signature Latonya N. M. Crary	Date: 4-8-14
Latonya N. M. Crary Printed Name of Witness	·
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Aaron Richard Mittl	Date:
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COUNTY OF	
This day of,,,,,,,,,,,,,,,,,,,,,,,,,,,,	before me personally came the above-named own as the individual who executed the foregoing he executed the same of his own free will for the
Seal	(Notary Public)

INVENTOR 7	
Signature: Martin Paget	Date: 4/3/2014
Witnessed by: Packer Signature	Date 4/3/20/4
RICHARD W BAKER Printed Name of Witness Witnessed by: Signature	Date: 43/14
Printed Name of Witness SECTION BELOW IS FOR USE O	ONLY IF SIGNING IN PRESENCE OF A NOTARY
	Date:
Martin Paget	The second secon
STATE OF	
COUNTY OF	
Martin Paget, to me personally known as	before me personally came the above-named the individual who executed the foregoing assignment, and the same of his own free will for the purposes therein
Seal	
	(Notary Public)

INVENTOR 8	이 발표한 중요(1)를 하지만 사용할 때 사용하다. 지역사장 등 사용하기 위한 성기(1)를 보기 되었습니
Signature: William David Shleids	Date:
	마르크 등 경기를 보고 있는데 하는데 하는데 하는데 이 경기를 보고 있다. 기계를 보고 있는데 하는데 기계를 보고 있는데 기계를 보고 있는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하
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Printed Name of Witness	프로젝트 (1985년 1985년 - 1985년 1987년 - 1일
Witnessed by: Signature	Date:
Printed Name of Witness SECTION BELOW IS FOR USE ONL	Y IF SIGNING IN PRESENCE OF A NOTARY
Milliam David Shields	
STATE OF MISSOUR	
COUNTY OF JACKSON 30.	
This 3 day of Opiel 20 William David Shields, to me personally knowledged to me that purposes therein set forth.	before me personally came the above-name thought above the constant of the same of his own free will for the executed the same of his own free will for the executed the same of his own free will for the executed the same of his own free will for the executed the same of his own free will for the executed the same of his own free will for the executed the same of his own free will for the executed the exec
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DEBRA L. MOBERG
Notary Public-Notary Seal
State of Missouri, Jackson County
Commission & 10432106
My Commission Expires Jul 18, 2014

10