#### 01/18/2016 503653276

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3699910

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
GOPICHANDRA SURNILLA	03/26/2013
STEVEN SCHWOCHERT	03/26/2013
PETER C. MOILANEN	03/26/2013
ERIC KRENGEL	03/26/2013
TODD ANTHONY RUMPSA	03/27/2013

#### **RECEIVING PARTY DATA**

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	FAIRLANE PLAZA SOUTH, SUITE 800
Internal Address:	330 TOWN CENTER DRIVE
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14997828

### **CORRESPONDENCE DATA**

Fax Number: (503)459-4142

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: 503-459-4141 Email: fulton@ahmrt.com

ALLEMAN HALL MCCOY RUSSELL & TUTTLE, LLP **Correspondent Name:** 

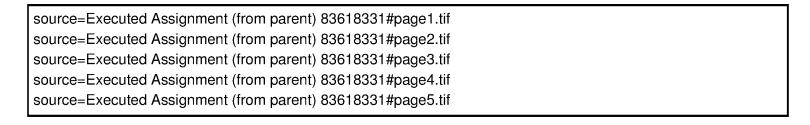
Address Line 1: 806 S.W. BROADWAY, SUITE 600 Address Line 4: PORTLAND, OREGON 97205

	83618331
NAME OF SUBMITTER:	MAXFIELD W. FULTON
SIGNATURE:	/Maxfield W. Fulton/
DATE SIGNED:	01/18/2016

**Total Attachments: 5** 

**PATENT REEL: 037511 FRAME: 0555** 

503653276



Attorney Docket Number 83332933	

Title of Invention	METHOD AND SYSTEM FOR ENGINE CONTROL
This declaration is direc	ted to:
Unite	ttached application, or d States application or PCT international application number filed on
The above-identified ap	plication was made or authorized to be made by me.
I hereby state that I ha including the claims.	ve reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the o	riginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part ap	to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for plications, material information which became available between the filing date of the prior and or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and for the ASSIGNEE, its store the inventions and domaine or names, or in minsert the serial/applications, in and to transcribe including all application reexaminations and reis.  And I hereby agree for including applications to organizations, and to perform the state of the state	ment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto INOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws re, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and oreign, in and to the inventions and discoveries in the above-identified invention including the right successors, assigns or other legal representatives to make applications and to receive Letters Patent discoveries in any and all countries, entities and intergovernmental organizations, in its or their own y name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to ation number and filing date of the application to receive Letters Patent herein: Serial No.  ———————————————————————————————————
And I hereby represent	and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not	hat any wiliful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine more than five (5) years or both.
LEGAL NAME OF IN	VENTOR my /my /my /my
Inventor: <u>Gopicha</u>	ndra Surnilla Date: 3/26/20/3
Signature:	
	ta Sheet (FTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form,

Attorney Docket Number   83332933
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Title of Inventi	on METHOD A	ND SYSTEM FOR ENGINI	CONTROL
This declaration is	s directed to:		
		n, or n or PCT international application r filed on	
The above-identif	ied application was made	e or authorized to be made by me.	
I hereby state the including the claim		understand the contents of the spe	cification in the above-identified application,
I believe that I am	the original inventor or	an original joint inventor of a claim	ed invention in the application.
continuation-in-pa	art applications, materia		lity as defined in 37 C.F.R. 1.56, including for all able between the filing date of the prior in-in-part application.
FORD GLOBAL of the State of D hereinafter referrinterest, domestic of the ASSIGNE for the inventions name or names, consert the serial/ 13/854,840 ASSIGNEE, its applications, in an including all apprexaminations are And I hereby agrincluding applications, and an including applications, and an including applications, and an including applications, and including app	TECHNOLOGIES, LLC elaware, having its prin ed to as the ASSIGNEE and foreign, in and to tl E, its successors, assigns and discoveries in any a r in my name, at its or t application number and plication number and successors, assigns or ad to the inventions and elications claiming benefications claiming benefications.  ee for myself, my heirs, tions for Letters Patent if to perform any and ali	C, a Ford Motor Company subsidiar cipal place of business at Dearbor c, its successors, assigns or other less or other legal representatives to mand all countries, entities and interpheir election (and I hereby authorized filing date of the application of the April 1, 2013 other legal representatives, all of discoveries in any and all countries effit of the filing date hereof, consuccessors, assigns or other legal of any and all kinds and in any and all countries of the filing date hereof.	obligation, I do sell, assign and set over unto by, organized and existing by virtue of the laws m, County of Wayne, and State of Michigan, egal representatives, the entire right, title and above-identified invention including the right take applications and to receive Letters Patent governmental organizations, in its or their own the the ASSIGNEE or ASSIGNEE's attorney to be receive Letters Patent herein: Serial No., and I hereby sell, assign and set over to the lights of priority, including any provisionals, entities and intergovernmental organizations of interesting the provisionals, continuations, continuations-in-part, divisionals, dill countries, entities and intergovernmental organizations of all countries, entities and intergovernmental organizations of the legal representatives of the legal representatives of the legal representatives
		have not granted any rights inconsis	
or imprisonment	of not more than five (5)		on is punishable under 18 U.S.C. 1001 by fine
LEGAL NAME (	OF INVENTOR  even Schwochert		Date: 3/26/2013
Inventor: St Signature:	L A.A. A.	A	Daile.
Official Control	da fi kenyakh lilik in selma kalisis		
	ion Data Sheet (PTO/SB/I		entire inventive entity, must accompany this form.

parameter and the parameter an	
Attorney Docket Number	83332033
	00000000

Title of Invention	METHOD AND SYSTEM FOR ENGINE CONTROL	
This declaration is direct	ed to:	
1998 - 1994 - 1944	Section of Sound Constitution in the	
	tached application, or I States application or PCT international application number filed on	
The above-identified app	olication was made or authorized to be made by me.	
I hereby state that I have including the claims.	ve reviewed and understand the contents of the specification in the above-identified application,	
I believe that I am the or	iginal inventor or an original joint inventor of a claimed invention in the application.	
continuation-in-part app	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for olications, material information which became available between the filing date of the prior nal or PCT international filing date of the continuation-in-part application.	
FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and for of the ASSIGNEE, its start the inventions and diname or names, or in my insert the serial/applica 13/854,840  ASSIGNEE, its success applications, in and to the	nent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto NOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws e, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, is the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and reign, in and to the inventions and discoveries in the above-identified invention including the right successors, assigns or other legal representatives to make applications and to receive Letters Patent iscoveries in any and all countries, entities and intergovernmental organizations, in its or their own of name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to tion number and filing date of the application to receive Letters Patent herein: Serial No.  ———————————————————————————————————	
And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein sold, assigned and set over.		
And I hereby represent a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.	
or imprisonment of not r	nat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine more than five (5) years or both.	
LEGAL NAME OF INV Inventor: Peter C/1		
Inventor: Peter C.	Moilanen Date: CEPIAR COLS	
Signature:		
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Attorney Docket Number	83332933

Title of Invention METHOD AND SYSTEM FOR ENGINE CONTROL
This declaration is directed to:
The attached application, or United States application or PCT international application number filed on
The above-identified application was made or authorized to be made by me.
I hereby state that I have reviewed and understand the contents of the specification in the above-identified application, including the claims.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.
Pursuant to my employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto FORD GLOBAL TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own name or names, or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filling date of the application to receive Letters Patent herein: Serial No. 13/854,840 , Filling Date April 1, 2013 ), and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.
And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein sold, assigned and set over.
And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.
LEGAL NAME OF INVENTOR Inventor: Eric Krengel Date: 1264, 263
Signature:
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional declaration form for each additional inventor.

**RECORDED: 01/18/2016** 

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Attorney Docket Number	83332933	1
	** Annual Control of the Control of	ľ

# ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

THE DIMEN	METHOD AND SYSTEM FOR ENGINE CONTROL
This declaration	is directed to:
	The attached application, or United States application or PCT international application number filed on
The above-ident	ified application was made or authorized to be made by me.
I hereby state the including the cla	nat I have reviewed and understand the contents of the specification in the above-identified application, ims.
I believe that I a	m the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-	e duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for part applications, material information which became available between the filing date of the prior he national or PCT international filing date of the continuation-in-part application.
FORD GLOBAL of the State of I hereinafter refer interest, domesti of the ASSIGNI for the invention name or names, insert the serial 13/854,84 ASSIGNEE, its applications, in a including all ap	employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto a TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, red to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, fittle and c and foreign, in and to the inventions and discoveries in the above-identified invention including the right EE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent s and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to application number and filing date of the application to receive Letters Patent herein: Serial No. 10 Japane April 1, 2013 Jand I hereby sell, assign and set over to the successors, assigns or other legal representatives, all rights of priority, including any provisional and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations uplications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, and reissue applications.
including applications, ar	ree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, ations for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental ad to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives sary to secure thereto the rights herein sold, assigned and set over.
And I hereby rep	resent and warrant that I have not granted any rights inconsistent with the rights granted herein,
or imprisonment	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of not more than five (5) years or both.
	OF INVENTOR odd Anthony Rumpsa Date: 3/27/2012
Signature:	Landata Lagania
Notes An Amelia	
Use an additional of	tion Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Icclaration form for each additional inventor.