504299037 03/30/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4345718

SUBMISSION TYPE:	IEW ASSIGNMENT					
NATURE OF CONVEYANCE:	ASSIGNMENT					

CONVEYING PARTY DATA

Name	Execution Date
STUART C. SALTER	03/28/2017
PAUL KENNETH DELLOCK	03/27/2017
CORNEL LEWIS GARDNER	03/27/2017
PIETRO BUTTOLO	03/27/2017
STEPHEN KENNETH HELWIG	03/27/2017

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15474505

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: 313-528-4882

Email: docket@b2iplaw.com

Correspondent Name: BEJIN BIENEMAN PLC/FORD GLOBAL TECH. LLC

Address Line 1: 300 RIVER PLACE

Address Line 2: SUITE 1650

Address Line 4: DETROIT, MICHIGAN 48207

ATTORNEY DOCKET NUMBER:	83794384(65080-2408)
NAME OF SUBMITTER:	MARK ST. AMOUR
SIGNATURE:	/Mark St. Amour/
DATE SIGNED:	03/30/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

PAIENI

504299037 REEL: 041800 FRAME: 0912

Total Attachments: 5

source=83794384 - Signed Combined Declaration and Assignment (65080-2408) -- all 5 inventors#page1.tif source=83794384 - Signed Combined Declaration and Assignment (65080-2408) -- all 5 inventors#page2.tif source=83794384 - Signed Combined Declaration and Assignment (65080-2408) -- all 5 inventors#page3.tif source=83794384 - Signed Combined Declaration and Assignment (65080-2408) -- all 5 inventors#page4.tif source=83794384 - Signed Combined Declaration and Assignment (65080-2408) -- all 5 inventors#page5.tif

Attorney Docket Number	83794384(65080-2408)

Title of Invention	WKONG-WAY VEHICLE DETECTION										
This declaration is directed to:											
The attached application, or United States application or PCT international application number filed on											
The above-identified appl	lication 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 ori	ginal inventor or an original joint inventor of a claimed invention in the application.										
continuation-in-part appl	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 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 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 INV. Inventor: Stuart C. !											
Signature:	Share C. Setti. " "										
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form,										

Please direct all correspondence to: 113140

\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	f-1-1-4-0-00
Attorney Docket Number	83794384(65080-2408)

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

Title of Invention	WRONG-WAY VEHICLE DETECTION									
This declaration is directed to:										
The attached application, or United States application or PCT international application number filed on										
The above-identified app	lication was made or authorized to be made by me.									
I hereby state that I have including the claims.	e reviewed and understand the contents of the specification in the above-identified application,									
I believe that I am the ori	ginal inventor or an original joint inventor of a claimed invention in the application.									
continuation-in-part app	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for lications, material information which became available between the filing date of the prior hal 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 election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application 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 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 INV	ENTOR 7/2/									
Inventor: Paul Kenr	1 Date: 3/2)/20/2									
Signature:	I tennetts Dellock									
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.									

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1 itte of Invention	WRONG-WAY VEHICLE DETECTION
This declaration is direct	cited to:
🖺 The z	nttached application, or
LI Unite	d States application or PCT international application number
	filed on (I hereby authorize the insertion of the application filing date and then they become known.)
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 or	riginal inventor or an original joint inventor of a claimed invention in the application.
I am aware of the duty t continuation-in-part app application and the natio	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.
of the State of Delaward hereinafter referred to a sinterest, domestic and for of the ASSIGNEE, its suffer the inventions and diname or names, or in my insert the serial/applicated ASSIGNEE, its success applications, in and to the neluding all applications reexaminations and reissufferences.	
organizations, and to peri	ryself, my heirs, successors, assigns or other legal representatives to execute any and all papers, a Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental form any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives cure thereto the rights herein sold, assigned and set over.
And I hereby represent an	d warrant that I have not granted any rights inconsistent with the rights granted herein.
hereby acknowledge tha	t any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine
	ore man need to hear the following the man and the second of the second
EGAL NAME OF INVE	NTOR 2/22/
nventor: <u>Cornel Lev</u>	
ignature:	vl J. Garden
ote: An Application D.	CL - J (MCO)(SD)(J)
se an additional declaration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.
ar goodaddiop	TO SEE AUGUSTUS THE

Attorney Docket Number	83794384(65080-2408)

little of Invention	WRONG-WAY VEHICLE DETECTION
This declaration is directed	ed to:
	sched application, or States application of PCT international application number filed on (I hereby authorize the insertion of the application filing date and en they become known.)
The above-identified app	lication was made or authorized to be made by me.
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I believe that I am the ori	ginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part app	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for lications, material information which became available between the filing date of the prior all or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and diname or names, or in my insert the serial/applicate 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, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, 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 accessors, assigns or other legal representatives to make applications and to receive Letters Patent acoveries in any and all countries, entities and intergovernmental organizations, in its or their own name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to ion number and filing date of the application to receive Letters Patent herein: Serial No., Filing Date ———————————————————————————————————
And I hereby agree for r including applications fo organizations, and to per	
And I hereby represent ar	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine one than five (5) years or both.
LEGAL NAME OF INVI	
Signature:	Mell/M
Water San	
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. n form for each additional inventor.

Attorney Docket Number	83794384(65080-2408)

Title of Invention	WRONG-WAY VEHICLE DETECTION	
This declaration is directe	od to:	
The attached application, or United States application or PCT international application number — filed on (I hereby authorize the insertion of the application filing date and number into this form when they become known.)		
The above-identified app	lication was made or authorized to be made by me.	
I hereby state that I have including the claims.	e reviewed and understand the contents of the specification in the above-identified application,	
I believe that I am the ori	ginal 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.		
FORD GLOBAL TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and disname or names, or in my insert the serial/application. ASSIGNEE, its successiva applications, in and to the including all application reexaminations and reissu		
including applications for organizations, and to perf	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental form any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives cure 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.		
or imprisonment of not me	t any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine pre than five (5) years or both.	
LEGAL NAME OF INVI Inventor: Stephen-K	ENTOR ennetti Hehvig Date:	
Signature:	<u> </u>	
	Sheet (PTO/SB/44 or equivalent), including naming the entire inventive entity, must accompany this form.	

PATENT REEL: 041800 FRAME: 0918

RECORDED: 03/30/2017