506054137 05/11/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6100851

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HELEN ELIZABETH KOUROUS-HARRIGAN	06/07/2019
OLIVER LEI	06/07/2019
JOSEPH C. JIRA	06/07/2019
FRABK THOMAS BROWN	06/11/2019
ALAN HEJL	06/07/2019
AMY ROBERTSON	06/11/2019

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:	16533702

CORRESPONDENCE DATA

Fax Number: (404)853-8806

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: (404) 407-5191

Email: KristalBoddie@eversheds-sutherland.com

Correspondent Name: KRISTAL BODDIE

Address Line 1: 999 PEACHTREE STREET, N.E.

Address Line 2: SUITE 2300

Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	84150679 (35136-0929)
NAME OF SUBMITTER:	KRISTAL BODDIE
SIGNATURE:	/Kristal Boddie/
DATE SIGNED:	05/11/2020

506054137 REEL: 052627 FRAME: 0405

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Attorney Docket Number	84150679

Title of Invention	SYSTEMS AND METHODS FOR DYNAMIC TRAFFIC LANE MANAGEMENT
This declaration is direct	ed to:
United	tached application, or I States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and nen they become known.)
The above-identified app	dication was made or authorized to be made by me.
I hereby state that I have including the claims.	re 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 lications, 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 Delaward hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its story the inventions and diname or names, or in my insert the serial/applica 16/533,702 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 accessors, assigns or other legal representatives to make applications and to receive Letters Patent scoveries in any and all countries, entities and intergovernmental organizations, in its or their own mane, 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. ———————————————————————————————————
including applications for organizations, and to per	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, or 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 ecure 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 n	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine nore than five (5) years or both.
LEGAL NAME OF INV Inventor: Helen Eli	ENTOR zabeth Kourous-Harrigan Date: 06/07/2019
***************************************	ı C. Kourous-Harrigan
	V
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.

Attorney Docket Number	84150679

Title of Invention	SYSTEMS AND METHODS FOM MANAGEMENT	R DYNAMIC IR	AFFIC LANE
This declaration is direct	ed to:	NOTE OF THE PROPERTY OF THE PR	
United	tached application, or I States application or PCT international application of PCT international application, or	plication number uthorize the insertion	of the application filing date and
The above-identified app	olication was made or authorized to be made	by me.	
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continuation-in-part app	o disclose information which is material to dications, material information which be nal or PCT international filing date of the co	came available betwe	een the filing date of the prior
FORD GLOBAL TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its st for the inventions and di name or names, or in my insert the serial/applica 16/533,702 ASSIGNEE, its success applications, in and to th including all application reexaminations and reisss And I hereby agree for a including applications for	ment agreement heretofore made or by cornol NOLOGIES, LLC, a Ford Motor Company e, having its principal place of business at the ASSIGNEE, its successors, assigns or origin, in and to the inventions and discover accessors, assigns or other legal representates scoveries in any and all countries, entities and mane, at its or their election (and I hereby tion number and filing date of the appropersons, assigns or other legal representative inventions and discoveries in any and all ans claiming benefit of the filing date here applications. In the property of the filing date here applications. In the property of the filing date here applications.	subsidiary, organized t Dearborn, County of or other legal representies in the above-identitives to make application and intergovernmentally authorize the ASSIGulication to receive L., and I herebyes, all rights of pridecountries, entities and ereof, continuations, of the legal representativing any and all countries.	and existing by virtue of the laws I Wayne, and State of Michigan, statives, the entire right, title and ified invention including the right ions and to receive Letters Patent organizations, in its or their own NEE or ASSIGNEE's attorney to etters Patent herein: Serial No. y sell, assign and set over to the ority, including any provisional dintergovernmental organizations continuations-in-part, divisionals, was to execute any and all papers, es, entities and intergovernmental
·	ecure thereto the rights herein sold, assigne		
-	nd warrant that I have not granted any right		
	at any willful false statement made in this nore than five (5) years or both.	declaration is punisha	ble under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV Inventor: <u>Oliver Le</u>		Date:	6/7/2019
Inventor: Oliver Le Signature:	Pail Ost	Date.	
Ballyton	And the second s		
Note: An Application Data	a Sheet (PTO/SB/14 or equivalent), including n	aming the entire inventi-	ve entity, must accompany this form.

Attorney Docket Number	84150679

Title of Invention	SYSTEMS AND METHODS FOR DI MANAGEMENT	YNAMIC I HAFFIC LANE
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The above-identified app	dication was made or authorized to be made by me	e.
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continuation-in-part app		ability as defined in 37 C.F.R. 1.56, including for available between the filing date of the prior ation-in-part application.
FORD GLOBAL TECHT of the State of Delaward hereinafter referred to as interest, domestic and for of the ASSIGNEE, its suffor the inventions and diname or names, or in my insert the serial/applicated 16/533,702 ASSIGNEE, its success applications, in and to the	NOLOGIES, LLC, a Ford Motor Company subsides, having its principal place of business at Dear is the ASSIGNEE, its successors, assigns or other reign, in and to the inventions and discoveries in accessors, assigns or other legal representatives to scoveries in any and all countries, entities and in a name, at its or their election (and I hereby authorition number and filing date of the application——, Filing Date August 6, 2019————————————————————————————————————	al obligation, I do sell, assign and set over unto liary, organized and existing by virtue of the laws born, County of Wayne, and State of Michigan, or legal representatives, the entire right, title and the above-identified invention including the right or make applications and to receive Letters Patent tergovernmental organizations, in its or their own prize the ASSIGNEE or ASSIGNEE's attorney to not oreceive Letters Patent herein: Serial No.), and I hereby sell, assign and set over to the I rights of priority, including any provisional ries, entities and intergovernmental organizations continuations, continuations-in-part, divisionals,
including applications fo organizations, and to per	or Letters Patent of any and all kinds and in any	gal representatives to execute any and all papers, and all countries, entities and intergovernmental successors, assigns or other legal representatives set over.
And I hereby represent a	nd warrant that I have not granted any rights incom	nsistent with the rights granted herein.
or imprisonment of not m	nore than five (5) years or both.	ation is punishable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Inventor: <u>Joseph C.</u>	Jira	Date: June 7, 2019
Signature: Josep	sh C. Jira	
	Oliver OPPOSED II American in the incident	1
	a Sheet (PTO/SB/14 or equivalent), including naming on form for each additional inventor	the entire inventive entity, must accompany this form.

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Title of Invention	SYSTEMS AND METHODS FOR DYNAMIC TRAFFIC LANE MANAGEMENT	
This declaration is direc	ited to:	
Caire	tiached application, or d States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and	
number into this form v	then they become known.)	
The above-identified ap	plication was made or authorized to be made by me.	
I bereby state that I be including the claims.	ive reviewed and understand the contents of the specification in the above-identified application.	
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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 filling date of the prior and or PCT international filling date of the continuation-in-part application.	
FORD GLOBAL TECH of the State of Delawa hereinafter referred to interest, domestic and for the ASSIGNEE, its for the inventions and chame or names, or in the serial/applications and chame the serial/applications, its successibilities.	ment agreement heretofore made or by contractual obligation. I do sell, assign and set over unto HNOLOGIES, 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 enecessors, 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 symmet, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to attorn 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 bersin.	
or imprisonment of not	hat 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 IN Inventor <u>Frank I</u> I	Date: <u>145_11,20</u> [9]	
Signature // /		
New An Application De Cyclan additional fections	ta Sheri (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.	

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Attorney Docket Number 84150679

ime of invention	MANAGEMENT
This declaration is directed	ed to:
	ached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and ten they become known.)
The above-identified app	lication was made or authorized to be made by me.
I hereby state that I hav including the claims.	e reviewed and understand the contents of the specification in the above-identified application,
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continuation-in-part appl	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for ications, material information which became available between the filing date of the prior all of PCT international filing date of the continuation-in-part application.
of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its surfor the inventions and disname or names, or in my insert the serial/applications, 16/533,702 ASSIGNEE, its successes applications, in and to the	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 eign, in and to the inventions and discoveries in the above-identified invention including the right coessors, 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. ———————————————————————————————————
including applications for organizations, and to perf	hyself, 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 an	d 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 ore than five (5) years or both.
LEGAL NAME OF INVE Inventor: Alan Hei	/ / / / / / / / / / / / / / / / / / / /
Signature: After Per	Date: 6/ F/2019
Note: An Application Data Use an additional declaration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, form for each additional inventor.

ttorney Docket Number	9/150670
morney Docket Number	0410072

Title of Invention	SYSTEMS AND METHODS FOR DYNAMIC TRAFFIC LANE MANAGEMENT	
This declaration is direct		
The attached application, or United States application or PCT international application number		
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number into this form wh	nen they become known.)	
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.		
FORD GLOBAL TECH of the State of Delaward hereinafter referred to as interest, domestic and fo of the ASSIGNEE, its sufor the inventions and diname or names, or in my insert the serial/applications. 16/533,702 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissigned.	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 accessors, assigns or other legal representatives to make applications and to receive Letters Patent scoveries in any and all countries, entities and intergovernmental organizations, in its or their own mame, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to the interpretation of the application to receive Letters Patent herein: Serial No.	
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: Amy Rob	ertson Date: <u>(0-11-2019</u>	
Signature: AMS	Meets	
Note: An Application Day	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	
The an additional declaration form for each additional inventor		

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RECORDED: 05/11/2020