PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRENDAN DIAMOND	09/11/2019
ERIK J. CHRISTEN	09/11/2019
MATTHEW JOSEPH	09/12/2019
SHEHAN HAPUTHANTHRI	09/11/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16576454

CORRESPONDENCE DATA

Fax Number: (313)528-6923

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, boatman@b2iplaw.com

Correspondent Name: BEJIN BIENEMAN PLC FORD GLOBAL TECHNOLOGIES, LLC

Address Line 1: 2000 TOWN CENTER

Address Line 2: SUITE 800

Address Line 4: SOUTHFIELD, MICHIGAN 48075

ATTORNEY DOCKET NUMBER:	84182277(65080-3490)
NAME OF SUBMITTER:	PETER E. KEROS
SIGNATURE:	/Peter E. Keros/
DATE SIGNED:	09/19/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

PATENT REEL: 050438 FRAME: 0377

EPAS ID: PAT5728567

505681759

source=84182277_65080_3490_Combined_Declaration_and_Assignment_signed_by_all_4_inventors#page1.tif source=84182277_65080_3490_Combined_Declaration_and_Assignment_signed_by_all_4_inventors#page2.tif source=84182277_65080_3490_Combined_Declaration_and_Assignment_signed_by_all_4_inventors#page3.tif source=84182277_65080_3490_Combined_Declaration_and_Assignment_signed_by_all_4_inventors#page4.tif

Attorney Docket Number	84182277 (65080-3490)

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	ENHANCED COLLISION DETECTION											
This declaration is directed	ed 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 umber into this form when they become known.)												
The above-identified application was made or authorized to be made by me.												
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	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 TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and dis name or names, or in my insert the serial/applicat 16/576,454 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissu												
including applications fo organizations, and to per	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, r 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 ar	nd warrant that I have not granted any rights inconsistent with the rights granted herein.											
or imprisonment of not m	at 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 INV												
Inventor: Brendan I	Diamond Date: 09/11/2019											
Signature: English	ndar thum											
	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	84182277 (65080-3490)
------------------------	-----------------------

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	ENHANCED COLLISION DETECTION											
This declaration is directe	ed 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 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 ori	ginal inventor or an original joint inventor of a claimed invention in the application.											
continuation-in-part appl	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 TECHT 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/applicat 16/576,454 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissu												
including applications fo organizations, and to per	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, r 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 ar	nd warrant that I have not granted any rights inconsistent with the rights granted herein.											
or imprisonment of not m	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine tore than five (5) years or both.											
LEGAL NAME OF INVI	ENTOR risten Date: 9-11-2019											
	nsien Date.											
	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 841822	277 (65080-3490)
---------------------------------	------------------

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	ENHANCED COLLISION DETECTION											
This declaration is directed	ed 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 umber into this form when they become known.)												
The above-identified app	The above-identified application was made or authorized to be made by me.											
I hereby state that I havincluding 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 nal or PCT international filing date of the continuation-in-part application.											
FORD GLOBAL TECHI of the State of Delaward 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/applicated 16/576,454 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissed And I hereby agree for a including applications, and to per organizations, and to per organizations, and to per serial of the state o	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											
	nd warrant that I have not granted any rights inconsistent with the rights granted herein.											
I hereby acknowledge th 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: Matthew	alialia											
Signature: Must	in Joseph											
Note: An Application Data	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.											

RECORDED: 09/19/2019

		C)									

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)

litie of invention	ENHANCED COLLISION DETECTION												
This declaration is directed	ed to:												
United	sached 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	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 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 TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its st for the inventions and diname or names, or in my insert the serial/applical 16/576,454 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissue. And I hereby agree for a including applications for the serial applications for the serial applications and reissue.	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, r Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental												
may deem necessary to se	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 as	nd 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													
	aputhanthri Date: <u>09/11/2019</u>												
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.												