PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6636826

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALAN J. MICHAELS	02/10/2021
JAMES MARTIN LAWLIS	02/10/2021
SAI SRIKAR PALUKURU	02/10/2021
JOHN MOORE	02/10/2021

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17220981

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: 3135284882

Email: docket@b2iplaw.com

Correspondent Name: BEJIN BIENEMAN/FORD GLOBAL
Address Line 1: 2000 TOWN CENTER DRIVE

Address Line 2: SUITE 800

Address Line 4: SOUTHFIELD, MICHIGAN 48075

ATTORNEY DOCKET NUMBER:	84323375(65080-3612)
NAME OF SUBMITTER:	CHARLES A. BIENEMAN
SIGNATURE:	/CHARLES A. BIENEMAN/
DATE SIGNED:	04/02/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).
	•

Total Attachments: 4

PATENT REEL: 055804 FRAME: 0740

506590044

source=84323375(65080-3612) - Signed Combined Declaration and Assignment - all 4 inventors - with filing info#page1.tif

source=84323375(65080-3612) - Signed Combined Declaration and Assignment - all 4 inventors - with filing info#page2.tif

source=84323375(65080-3612) - Signed Combined Declaration and Assignment - all 4 inventors - with filing info#page3.tif

source=84323375(65080-3612) - Signed Combined Declaration and Assignment - all 4 inventors - with filing info#page4.tif

Title of Invention

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Attorney Docket Number	84323375(65080-3612)

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)

VEHICLE BUS MESSAGE AUTHENTICATION USING

WATERMARKING

This declaration is directed to:									
	on or PCT international application number <u>Apr 2, 2021</u> (I hereby authorize the inserti	on of the application filing date and							
The above-identified application was mad	ie or aumorized to be made by the.								
I hereby state that I have reviewed and including the claims.	understand the contents of the specification	in the above-identified application,							
I believe that I am the original inventor or	an original joint inventor of a claimed invent	tion in the application.							
continuation-in-part applications, mater	nation which is material to patentability as deficial information which became available be national filing date of the continuation-in-part	sween the filing date of the prior							
FORD GLOBAL TECHNOLOGIES, L.L. of the State of Defaware, having its printereinafter referred to as the ASSIGNED interest, domestic and foreign, in and to to of the ASSIGNEE, its successors, assign for the inventions and discoveries in any name or names, or in my name, at its or insert the serial/application number an 17/220,981 Filing DASSIGNEE, its successors, assigns or applications, in and to the inventions and	heretofore made or by contractual obligation C, a Ford Motor Company subsidiary, organizacipal place of business at Dearborn. County E, its successors, assigns or other legal reproductions and discoveries in the above-id is or other legal representatives to make applicant all countries, entities and intergovernmentative election (and I hereby authorize the ASS of filing date of the application to receive ate	zed and existing by virtue of the laws y of Wayne, and State of Michigan, esentatives, the entire right, title and lentified invention including the right ications and to receive Letters Patent ntal organizations, in its or their own SIGNEE or ASSIGNEE's attorney to be Letters Patent herein: Serial Notereby sell, assign and set over to the priority, including any provisional and intergovernmental organizations							
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.							
or imprisonment of not more than five (5)	lse statement made in this declaration is puni years or both.	ishable under 18 U.S.C. 1001 by fine							
LEGAL NAME OF INVENTOR	Co. A.v.	10 Feb 2021							
Inventor: Alan J. Michaels	Date:								
Signature: 1 ACT MC									
Vice A A B W W Sale College									
Note: An Application Data Sheet (PTO/SB/ Use an additional declaration form for each ad	4 or equivalent), including naming the entire involutional inventor.	entive entity, must accompany this form.							

		¥1														٤-								

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)

R 181C OF EVENESIES	WATERMARKING
This declaration is direct	
	tached application, or I States application or PCT international application number 0,981 filed on Apr 2, 2021 hereby authorize the insertion of the application filing date and ten they become known.)
The above-identified app	dication was made or authorized to be made by me.
I hereby state that I has including the claims.	e 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 discions, 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 the ASSIGNEE, its state for the inventions and dispare or names, or in maintent the serial/applica 17/220,981 ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss	
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 occure thereto the rights herein sold, assigned and set over.
And I bereby 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 note than five (5) years or both.
LEGAL NAME OF INV	
Inventor: <u>James Ma</u>	urtin Lawlis Date: <u>8//0/2004</u>
Signature: <u>James</u>	Metufale 1
Note: An Application Dat Use an additional declarate	s Sheet (PTO/SB/14 or equivalent), including maining the entire inventive entity, must accompany this form, in form for each additional inventor.

Title of Invention

Attorney Docket Number 84323375(65080-3612)

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)

VEHICLE BUS MESSAGE AUTHENTICATION USING

WATERMARKING
This declaration is directed to:
The attached application, or United States application or PCT international application number 17/220,981 filed on Apr 2, 2021. (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.
The accidental approximent was made of administration of men
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 filing date of the application to receive Letters Patent herein: Serial No. 17/220,981, Filing DateApril 2, 2021), 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 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.
That 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: Sai Srikar Palukuru Date: 2/10/2021
Signature: /Sai Srikar Palukuru /
No. 1. 1. 1. D. Gl. (PTO/GD/14
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

Title of Invention

Attorney Docket Number	84323375(65080-3612)

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)

VEHICLE BUS MESSAGE AUTHENTICATION USING

WATERMARKING
This declaration is directed to:
The attached application, or United States application or PCT international application number 17/220,981 filed on Apr 2, 2021. (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 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 filing date of the application to receive Letters Patent herein: Serial No. 17/220,981 , Filing Date April 2, 2021), 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: John Moore Date: 2/10/2021
Signature: /John Moore /
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.

PATENT
RECORDED: 04/02/2021 REEL: 055804 FRAME: 0745