505117672 09/28/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5164433

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALI HASSANI	03/24/2016
JAKOB NIKOLAUS HOELLERBAUER	03/30/2016

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	FAIRLANE PLAZA SOUTH, SUITE 800, 330 TOWN CENTER DRIVE
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126-2738

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16089646

CORRESPONDENCE DATA

Fax Number: (810)385-9688

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: 8103856050

Email: amy.tesluk@profilepatents.com

Correspondent Name: THOMAS F. QUINN, JR. Address Line 1: 3061 COMMERCE DRIVE

Address Line 2: SUITE 1

Address Line 4: FORT GRATIOT, MICHIGAN 48059

ATTORNEY DOCKET NUMBER:	84052385
NAME OF SUBMITTER:	THOMAS F. QUINN, JR.
SIGNATURE:	/Thomas F. Quinn, Jr. Reg. No. 35988/
DATE SIGNED:	09/28/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

source=US-DeclarationAndAssignment-Executed_84052385#page1.tif source=US-DeclarationAndAssignment-Executed 84052385#page2.tif

> **PATENT REEL: 047006 FRAME: 0575**

505117672

	3639052(65080-18	

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 Inventi	OB VEHICLE COMPUTER	UPDATE AUTHENTIC	ATION
This declaration is	s directed to:		- 20
<u>R</u>	The attached application, or United States application or PCT intern file	national application number ed on	
The above-identif	ied application was made or authorized	to be made by me.	
I hereby state that including the claim	nt I have reviewed and understand the ms.	contents of the specification	in the above-identified application,
I believe that I am	the original inventor or an original join	nt inventor of a claimed inventi	on in the application.
continuation-in-pa	duty to disclose information which is nart applications, material information e national or PCT international filing da	which became available bet	tween the filing date of the prior
FORD GLOBAL of the State of D hereinafter referre interest, domestic of the ASSIGNEI for the inventions name or names, o insert the serial/ASSIGNEE, its applications, in ar including all app	mployment agreement heretofore made TECHNOLOGIES, LLC, a Ford Motor elaware, having its principal place of led to as the ASSIGNEE, its successors and foreign, in and to the inventions are, its successors, assigns or other legal and discoveries in any and all countrier in my name, at its or their election (are application number and filing date of Filing Date successors, assigns or other legal rend to the inventions and discoveries in a dications claiming benefit of the filing dreissue applications.	r Company subsidiary, organize business at Dearborn, County so, assigns or other legal represent discoveries in the above-ide representatives to make applies, entities and intergovernment of the application to receive to the application of the application and I herepresentatives, all rights of pany and all countries, entities and any and all countries, entities and and all countries, entities and and all countries, entities and all countries, entities and all countries.	ed and existing by virtue of the laws of Wayne, and State of Michigan, sentatives, the entire right, title and entified invention including the right cations and to receive Letters Patent dal organizations, in its or their own IGNEE or ASSIGNEE's attorney to Letters Patent herein: Serial No. reby sell, assign and set over to the priority, including any provisional and intergovernmental organizations
including applications, and	ee for myself, my heirs, successors, asstions for Letters Patent of any and all led to perform any and all acts which the ary to secure thereto the rights herein so	kinds and in any and all count ASSIGNEE, its successors, a	tries, entities and intergovernmental
And I hereby repr	esent and warrant that I have not granted	d any rights inconsistent with t	he rights granted herein.
or imprisonment of	edge that any willful false statement ma of not more than five (5) years or both.	ade in this declaration is punis	hable under 18 U.S.C. 1001 by fine
LEGAL NAME C		St. F. G. F. Sharaman and an annual state of the state of	Atom
Inventor: Al	í Hassani	Date:	3/24/16
Signature:	dent		
	ion Data Sheet (PTO/SB/14 or equivalent), sclaration form for each additional inventor.		ntive entity, must accompany this form.

PATENT REEL: 047006 FRAME: 0576

		4	٠	***	*	۰	٠	۰	٠	•	٠	۰	٠	٠	۰	•	٠	Ý	٠	۰	۰	٠	۰	٠	•	٠		•	۰	S	٠	•	۰	۰	٠	~	٠	٠	•	٠	4	۰	٠	۰	7		٠	Ť	۰	٠	۰	٧	٠	•	7		4	٠	•	9	9	*	٠	•	٠	۰	٠		۰	4	۰	3		۳	۰	۳	7	•		×	۰	×	٠	~	~	-	
	۸		'n,	١.	ú.	٠	٠	٠.	ri.	٠.	į,	3	ì.	٠,	Ů.	٠.	5	Ċ	2	5	÷	ò	Ċ		١,	٦	٠			٥	÷	š		Ų,	Į.					٤			⋖	٠	3		ď		а		51		٠,		۲	4	١	÷	ď.	9	۲	٠,	٦	4	١.	С	į.		ŧ	4	>	E	ş.	3	•	₹	7	٧									
á			Ł	u	×	ľ	5.	N	Ľ.		6	į,	Ł	٠	Ŋ	О	ч	j	Ŷ	Š.	Ľ	۲.	Ŀ	1		٧	5	я	3	1	3	ł	3	۲	9	٤.				ş			C	١.	9	Х	U	١.	э	в	>	8	U	r.	3	2	s	r	€	۲.		١	J	К	١.	Ç,	Ċ,	٠,	s	3	3	٠,	,	ł		×		٤									
ď		Э.	0			٠.	3	31	т.	×	٠.			7		2	ŭ.	3		S.	ĸ		٦.			33		ď	S	я	æ	G	٦.	×	٥	٦.		٠.	33	æ	٠	٥.	а	×	٠.			ø	ĸ.		2	Ġ,	٣.	.3	ì.	×	2.	3:	3	١.	з,	0.0	7	23	0	S.		ů.	æ		Ξ.	٥.	٠.	۵.		۵	33	۲.	-		-4	۵.			٠.	ø.	

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)

This declaration	i le direct	lad to:
THE DEPTH ACTOR		
	United	ttached application, or d States application or PCT international application number filed on
The above-iden	tified app	plication was made or authorized to be made by me.
I hereby state including the cl		ive 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.
continuation-in	-part app	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 onal or PCT international filing date of the continuation-in-part application.
FORD GLOBA of the State of hereinafter refe interest, domes of the ASSIGN for the inventio name or names insert the seria ASSIGNEE, it applications, in including all a	L TECH Delawar bried to a tic and fo IEE, its s as and di , or in m al/applica s succes and to th applicatio	ment agreement heretofore made or by contractual obligation, I do sell, assign and set over unterview of the law the series of the law re, having its principal place of business at Dearborn, County of Wayne, and State of Michigar 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 Patern discoveries in any and all countries, entities and intergovernmental organizations, in its or their own and yname, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to atton number and filing date of the application to receive Letters Patern herein: Serial No., Filing Date
including appli organizations, i	cations fo and to pe	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers for Letters Patent of any and all kinds and in any and all countries, entities and intergovernments erform any and all acts which the ASSIGNEE, its successors, assigns or other legal representative secure thereto the rights herein sold, assigned and set over.
And I hereby n	present a	and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonmer	n of not r	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fin more than five (5) years or both.
LEGAL NAMI		
Inventor: Signature:	Jakob IVI AC	likolaus Hoellerkauer Date: ン/ 50 / メロルト
ORGINIUM C.	4	

PATENT REEL: 047006 FRAME: 0577

RECORDED: 09/28/2018