### 503940658 08/01/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT3987313 Stylesheet Version v1.2

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
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ALLEN R. MURRAY	07/21/2016

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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15218542

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ATTORNEY DOCKET NUMBER: 83680988

NAME OF SUBMITTER: BERNARD P. TOMSA

SIGNATURE: /Bernard P. Tomsa/

DATE SIGNED: 08/01/2016

**Total Attachments: 2** 

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PATENT 503940658 REEL: 039306 FRAME: 0205

Attorney Docket Number	83680988

# 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	METHOD IDENTIFICATION	AND TION AN	APPARATUS ID ASSISTANCE	FOR	UPCOMING	TURN
This declaration is direct	ed to:	**************************************	arean nakarangkarangkarangkarangkarangkarangkarangkarangkara	***************************************	),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*************************
	filed on	or PCT int	ernational application n . (I hereby authorize th		of the application fili	ng date and
The above-identified app	lication was made	or authoriz	ed to be made by me.			
I hereby state that I have including the claims.	e reviewed and u	nderstand t	he contents of the spec	cification in	the above-identified	application,
I believe that I am the ori	ginal inventor or a	n original j	oint inventor of a claime	ed invention	in the application.	
I am aware of the duty to continuation-in-part app application and the nation	lications, material	informatio	on which became avai	ilable betwe	en the filing date o	
Pursuant to my employnt FORD GLOBAL TECHN 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 15/218,542  ASSIGNEE, its success applications, in and to the including all application reexaminations and reisson.  And I hereby agree for the state of the sta	NOLOGIES, LLC, the having its prince the ASSIGNEE, reign, in and to the accessors, assigns accoveries in any ar name, at its or the ion number and, Filing Date ors, assigns or ce inventions and des claiming benefite applications.	a Ford Mo ipal place of its success inventions or other leg and all count eir election filing date a July 25 other legal iscoveries i it of the f	tor Company subsidiary of business at Dearborr ors, assigns or other le and discoveries in the al representatives to maries, entities and interge (and I hereby authorize of the application to, 2016), representatives, all rin any and all countries, iling date hereof, confidence of the application to the application t	y, organized n, County of gal represen above-identiake application overnmental the ASSIGI or receive Loand I hereby ghts of price, entities and tinuations, co	and existing by virtue f Wayne, and State of tatives, the entire rigitied invention includitions and to receive Leorganizations, in its on NEE or ASSIGNEE's etters Patent, herein: y sell, assign and set ority, including any antinuations-in-part,	of the laws f Michigan, ht, title and ing the right etters Patent or their own attorney to Serial No. over to the provisional ganizations divisionals,
including applications fo organizations, and to per may deem necessary to so	r Letters Patent of form any and all a	f any and a acts which t	II kinds and in any and he ASSIGNEE, its suc	l all countrie cessors, assi	s, entities and intergo	overnmental
And I hereby represent as	nd warrant that I ha	ave not gran	ited any rights inconsist	ent with the	rights granted herein.	
I hereby acknowledge the or imprisonment of not m				n is punishal	ble under 18 U.S.C. 1	001 by fine
LEGAL NAME OF INV Inventor: Oliver Le			7	Date:	07/212	016
Signature:	XCC	-(1	<del>7</del>		The second secon	
Note: An Application Data Use an additional declaratio				entire inventiv	e entity, must accompan	ny this form.

PATENT REEL: 039306 FRAME: 0206 Please direct all correspondence to: 28395

Attorney Docket Number	83680988	

## 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 METHOD AND APPARATUS FOR UPCOMING T IDENTIFICATION AND ASSISTANCE	URN
This declaration is directed to:	
X The attached application, or United States application or PCT international application number filed on	te and
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 appli including the claims.	cation,
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, includ continuation-in-part applications, material information which became available between the filing date of the application and the national or PCT international filing date of the continuation-in-part application.	ing for prior
Pursuant to my employment agreement heretofore made or by contractual obligation, I do sell, assign and set over FORD GLOBAL TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, the interest, domestic and foreign, in and to the inventions and discoveries in the above-identified invention including the of the ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters for the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in its or the name or names, or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorinsert the serial/application number and filing date of the application to receive Letters Patent herein: Serial 15/218,542 , Filing Date July 25, 2016 ), and I hereby sell, assign and set over ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provapplications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organization including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divis reexaminations and reissue applications.  And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all processors are processors.	the laws chigan, the and he right Patent ir own the laws to the isional zations should be papers,
including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovern organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal represent may deem necessary to secure thereto the rights herein sold, assigned and set over.	mental
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 or imprisonment of not more than five (5) years or both.	by fine
LEGAL NAME OF INVENTOR	гитичниковских макеновойн
Inventor: Allen R. Murray Date: 7/21/2016	
Signature: alla L My	
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany the Use an additional declaration form for each additional inventor.	is form.

PATENT REEL: 039306 FRAME: 0207

**RECORDED: 08/01/2016**