503015763 10/13/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3062363

SUBMISSION TYPE:		CORRECTIVE ASSIGNMENT		
NATURE OF CONVEYANCE:		Corrective Assignment to correct the TYPOGRAPHICAL ERROR IN ASSIGNEE'S ADDRESS previously recorded on Reel 033712 Frame 0662. Assignor(s) hereby confirms the ASSIGNMENT.		
RESUBMIT DOCUMENT ID:		502995568		
CONVEYING PARTY DA	ATA	-		
		Name	Execution Date	
DOUGLAS SCOTT RHO	DE		07/31/2014	
DAVID DEAN SMIT			07/28/2014	
ERICK MICHAEL LAVOI	E		07/28/2014	
MARTIN FITZPATRICK	-REY		07/30/2014	
THOMAS EDWARD PILL	JTTI		09/05/2014	
MATT Y. RUPP			07/30/2014	
ROGER ARNOLD TROM	IBLEY		07/30/2014	
			· · · · · · · · · · · · · · · · · · ·	
RECEIVING PARTY DA	ГА			
Name: FORD GLOE		DBAL TECHNOLOGIES, LLC		
Street Address: 330 TOWN C		I CENTER DRIVE		
Internal Address: FAIRLANE P		PLAZA SOUTH, SUITE 800		
City:	DEARBOR	Ν		
State/Country:	MICHIGAN			
Postal Code:	48126			
PROPERTY NUMBERS	Total: 1			
Property Type		Number]	
Application Number:	144	82604		
CORRESPONDENCE D				
Fax Number:				
Correspondence will be		e e-mail address first; if that is un		
•	•	that is unsuccessful, it will be ser	nt via US Mail.	
Email: Correspondent Name:	•	mail@priceheneveld.com FER A. CUMMINGS/PRICE HENEV	EDUP	
Address Line 1:		KENMOOR SE		
		BOX 2567		
Address Line 4:	GR/	AND RAPIDS, MICHIGAN 49501		
ATTORNEY DOCKET NU	MBER:	83460812		

PETER A. CUMMINGS

503015763

NAME OF SUBMITTER:

SIGNATURE:	/Peter A. Cummings/
DATE SIGNED:	10/13/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 8	·
source=18U5681#page1.tif	
source=18U5681#page2.tif	
source=18U5681#page3.tif	
source=18U5681#page4.tif	
source=18U5681#page5.tif	
source=18U5681#page6.tif	
source=18U5681#page7.tif	
source=CoverSheet#page1.tif	

502970466 09/10/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3017065

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DOUGLAS SCOTT RHODE	07/31/2014
DAVID DEAN SMIT	07/28/2014
ERICK MICHAEL LAVOIE	07/28/2014
MARTIN FITZPATRICK FREY	07/30/2014
THOMAS EDWARD PILUTTI	09/05/2014
MATT Y. RUPP	07/30/2014
ROGER ARNOLD TROMBLEY	07/30/2014

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	330 TOWN CENTER DRIVE
Internal Address:	FAIRLANE PLAZA SOUTH, SUITE 880
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14482604

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:	616-949-9610
Email:	ptomail@priceheneveld.com
Correspondent Name:	PRICE HENEVELD, LLP/PETER A. CUMMINGS
Address Line 1:	695 KENMOOR S.E.
Address Line 2:	P. O. BOX 2567
Address Line 4:	GRAND RAPIDS, MICHIGAN 49501-2567

ATTORNEY DOCKET NUMBER:	83460812
NAME OF SUBMITTER:	PETER A. CUMMINGS
SIGNATURE:	/Peter A. Cummings/

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	
This declaration is a	directed to:
	The attached application, or United States application or PCT international application number
The above-identifie	d application was made or authorized to be made by me.
I hereby state that including the claims	I have reviewed and understand the contents of the specification in the above-identified application, s.
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part	uty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for t applications, material information which became available between the filing date of the prior national or PCT international filing date of the continuation-in-part application.
FORD GLOBAL T of the State of Del hereinafter referred interest, domestic a of the ASSIGNEE, for the inventions a name or names, or insert the serial/ap ASSIGNEE, its su applications, in and including all appli reexaminations and And I hereby agree including application	ployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto ECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws aware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and nd foreign, in and to the inventions and discoveries in the above-identified invention including the right its successors, assigns or other legal representatives to make applications and to receive Letters Patent and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to oplication number and filing date of the application to receive Letters Patent herein: Serial No
	y to secure thereto the rights herein sold, assigned and set over.
I hereby acknowled or imprisonment of	lge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine not more than five (5) years or both.
LEGAL NAME OF Inventor: Dou	SINVENTOR glas Scott Rhoden Date: 7/31/14
Signature:	ouglas Scott Rhode Date: 13111
	n Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. laration form for each additional inventor.

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 Invent	tion	TRAILER BACKUP ASSIST CURVATURE CONTROL
This declaration	is direct	ed to:
	13 100 001	
		tached application, or I States application or PCT international application number
	Currer	filed on,
The above-ident	ified app	plication was made or authorized to be made by me.
I hereby state the including the cla		ve reviewed and understand the contents of the specification in the above-identified application,
I believe that I a	m 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 dications, 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 of the State of hereinafter refer interest, domesti of the ASSIGNI for the inventior name or names, insert the seria ASSIGNEE, its applications, in including all ap reexaminations of	L TECH Delawar red to a ic and fo ZE, its s is and di or in my l/applica succes and to the oplicatio and refss	sors, assigns or other legal representatives, all rights of priority, including any provisional ine inventions and discoveries in any and all countries, entities and intergovernmental organizations ins claiming benefit of the filing date hercof, continuations, continuations-in-part, divisionals, ue applications.
including applic organizations, a	ations fo nd to pe	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 rform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives becure thereto the rights herein sold, assigned and set over.
And I hereby rep	oresent a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
		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	ENTOR
inventor: <u>I</u>	<u>David De</u>	an Smit Date: <u>7-20-17</u>
Signature:	-	the Shrit
Note: An Applic	ation Dat	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
		on form for each additional inventor.

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	TRAILER BACKUP ASSIST CURVATURE CONTROL
This declaration is	- directed to:
	The attached application, or United States application or PCT international application number filed on
The above-identif	ied application was made or authorized to be made by me.
I hereby state the including the claim	t I have reviewed and understand the contents of the specification in the above-identified application, ns.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-p	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for int applications, material information which became available between the filing date of the prior e national or PCT international filing date of the continuation-in-part application.
FORD GLOBAL of the State of D hereinafter referri- interest, domestic of the ASSIGNE for the inventions name or names, o insert the serial/ ASSIGNEE, its applications, in a including all app reexaminations and And I hereby agr	mployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws elaware, baving its principal place of business at Dearborn, County of Wayne, and State of Michigan, od to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and and foreign, in and to the inventions and discoveries in the above-identified invention including the right 3, its successors, assigns or other legal representatives to make applications and to receive Letters Patent and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own r in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to application number and filing date of the application to receive Letters Patent herein: Serial No
may deem necess	ary to secure thereto the rights herein sold, assigned and set over.
f hereby acknowl	esent and warrani that I have not granted any rights inconsistent with the rights granted herein. edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of not more than five (5) years or both.
LEGAL NAME (WINVENTOR
Inventor: <u>En</u> Signature: <u>Cas</u>	<u>ick Michnel Lavoie</u> Date: <u>772872819</u> <u>27. Muelisel Lovan</u>
Note: An Applicat Use an additional d	ion Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, celeration form for each additional inventor.

Please direct all correspondence to: 28415

Attorney Docket Number 83460812

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 TRAILER BACKUP ASSIST CURVATURE CONTROL
This declaration is directed to:
The attached application, or United States application or PCT international application number
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. L.S6, 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
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: Martin Fitzpatrick Frey Date:Date:
Signature:
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire investive entity, must accompany this form. Use an additional declaration form for each additional inventor.

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	TRAILER BACKUP ASSIST CURVATURE CONTROL		
This declaration is direc	sted to:		
Unite Unite	The attached application, or United States application or PCT international application number filed on		
The above-identified ap	plication was made or authorized to be made by me.		
I hereby state that I had including the claims.	we reviewed and understand the contents of the specification in the above-identified application,		
I believe that I am the o	riginal inventor or an original joint inventor of a claimed invention in the application.		
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 filing date of the prior onal or PCT international filing date of the continuation-in-part application.		
FORD GLOBAL TECH of the State of Delawa hereinafter referred to interest, domestic and f of the ASSIGNEE, its for the inventions and c name or names, or in m insert the serial/applic ASSIGNEE, its succe applications, in and to t including all applications cexaminations and reis And 1 hereby agree for including applications to 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 erform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives		
	secure thereto the rights herein sold, assigned and set over. 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: Thomas Edward Pilutti Date: (15) 2012			
Signature: 10 though (MM			
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.			

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 Inven	tion TRAILER BACKUP ASSIST CURVATURE CONTROL		
This declaration	is directed to:		
	The attached application, or United States application or PCT international application number filed on		
The above-iden	ified application was made or authorized to be made by me.		
I hereby state t including the cl	hat I have reviewed and understand the contents of the specification in the above-identified applicatio		
I believe that I :	m the original inventor or an original joint inventor of a claimed invention in the application.		
continuation-in-	the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including finant applications, material information which became available between the filing date of the print the national 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 serie ASSIGNEE, it applications, in including all a	employment agreement heretofore made or by contractual obligation, I do sell, assign and set over un L TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the law Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michiga rered to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title at ic and foreign, in and to the inventions and discoveries in the above-identified invention including the rig EE, its successors, assigns or other legal representatives to make applications and to receive Letters Pate ns and discoveries in any and all countries, entities and intergovernmental organizations, in its or their ov or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney diapplication number and filing date of the application to receive Letters Patent herein: Serial N		
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 re	present and warrant that I have not granted any rights inconsistent with the rights granted herein.		
I hereby ackno or imprisonmer	vledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fit t of not more than five (5) years or both.		
LEGAL NAMI	OF INVENTOR -1/30/14		
Inventor:	Matt Y. Rupp Date:		
Signature:	Matterflug		
	ation Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this for declaration form for each additional inventor.		

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	on	TRAILER BACKUP ASSIST CURVATURE CONTROL			
This declaration i	This declaration is directed to:				
	The attached application, or United States application or PCT international application number filed on				
The above-identi	fied app	lication was made or authorized to be made by me.			
I hereby state the including the clait		ve reviewed and understand the contents of the specification in the above-identified application,			
I believe that I an	a the or	iginal inventor or an original joint inventor of a claimed invention in the application.			
continuation-in-p	art apr	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for olications, 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 of the State of L hereinafter referr interest, domestic of the ASSIGNE for the inventions name or names, of insert the serial/ ASSIGNEE, its applications, in a	TECH elawar ed to a c and fc E, its s s and d or in my applica succes nd to the plicatio	ment 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, s 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 uccessors, assigns or other legal representatives to make applications and to receive Letters Patent iscoveries in any and all countries, entities and intergovernmental organizations, in its or their own y name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to thom 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 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				
Signature:	Rog	anold lafty			
Note: An Applica Use an additional d	tion Dat eclarati	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor.			

RECORDED: 09/29/2014