#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4182806

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PETER JOHN GRUTTER	12/06/2016
NICHOLAS EDWARD MCCUBBIN	12/06/2016
ADAM JOSEPH KRACH	12/06/2016
DEREK KEMPTON WARD	12/08/2016
ALEX FISCHER	12/09/2016
MARTIN KAMPE	12/09/2016

#### **RECEIVING PARTY DATA**

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

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

Property Type	Number
Application Number:	15376071

#### **CORRESPONDENCE DATA**

**Fax Number:** (248)358-3351

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:** 248-358-4400

Email: svachon@brookskushman.com
Correspondent Name: BROOKS KUSHMAN P.C.

Address Line 1: 1000 TOWN CENTER, 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075

ATTORNEY DOCKET NUMBER:	83729591	
NAME OF SUBMITTER:	JAMES A. BERTINO	
SIGNATURE:	/James A. Bertino/	
DATE SIGNED:	12/13/2016	

PATENT 504142961 REEL: 040723 FRAME: 0897

# Total Attachments: 6 source=FMC7608PUS\_Assignment#page1.tif source=FMC7608PUS\_Assignment#page2.tif source=FMC7608PUS\_Assignment#page3.tif source=FMC7608PUS\_Assignment#page4.tif source=FMC7608PUS\_Assignment#page5.tif source=FMC7608PUS\_Assignment#page6.tif

Attorney Docket Number	83729591

inte of invention	VEHICLE ALL-WHEEL DRIVE CONTROL SYSTEM	
This declaration is directed to:		
X 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 app	lication 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.		
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. 15/376,071  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: Peter John	Grutter Date: 12/6/2016	
Signature:	2 John Ful	
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.		

Attorney Docket Number	23770501
Anomey Docker runner	1 03/47331

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And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including any lications for Letters, Patent of any and all kinds and in any and all countries, entities and interpresentable may deem necessary to secure thereto the rights herein sold, assigned and set over.		
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LEGAL NAME OF INV		
Alles and All		
Signature: //wholes Clovard fff (wbb-		
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		

Attorney Docket Number	83729591

Title of Invention	VEHICLE ALL-WHEEL DRIVE CONTROL STSTEM	
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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.		
	nat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine more than five (5) years or both.	
LEGAL NAME OF INV		
Inventor: Adam Jo Signature:	Septim Macri	
	The state of the s	
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Attorney Docket Number	83729591
TERMINAL PROPERTY LINEARDS	00,2001

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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.		
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LEGAL NAME OF INV		
Inventor: Derek Ke	mpron wang	
Note: An Application Data Use an additional declaration	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor.	

Attorney Docket Number 837295	91

This declaration is directed to:  X 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 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 PORD 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's attorney to insert the serial/application number and filling date of the application to receive Letters Patent herein: Serial No.  15/376 071  Elimp Date December 12,		
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LEGAL NAME OF INVENTOR  Inventor: Alex Fischer  Date: 09 12.46		
Inventor: Alex Fischer Date: 09.12.16		
Signature: 324t		
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.		

Attorney Docket Number   83729591		,
	Attorney Docket Number	83729591

Title of Invention	VEHICLE ALL-WHEEL DRIVE CONTROL SYSTEM	
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LEGAL NAME OF INV	$\Delta U = 0$	
Inventor: Martin 1	<u>Campe</u> Date: 04 12 2046	
Signature:	I Can pe	
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PATENT REEL: 040723 FRAME: 0904

**RECORDED: 12/13/2016**