PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5538232

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KIM TAYLOR	05/15/2019
ANDREW LAKERDAS	05/15/2019
MARK FARRUGIA	05/15/2019
ALWIN MACHT	05/15/2019
MICHAEL KUIPER	05/15/2019

RECEIVING PARTY DATA

Name:	BROSE FAHRZEUGTEILE GMBH & CO. KOMMANDITGESELLSCHAFT, BAMBERG
Street Address:	BERLINER RING 1
City:	BAMBERG
State/Country:	GERMANY
Postal Code:	96052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16420787

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: kgrand@brookskushman.com **Correspondent Name:** BROOKS KUSHMAN P.C. Address Line 1: 1000 TOWN CENTER

Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075-1238

ATTORNEY DOCKET NUMBER:	BROGT0118PUS 2019150EM
NAME OF SUBMITTER:	COREY J. NEIL
SIGNATURE:	/Corey J. Neil/
DATE SIGNED:	05/23/2019
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Total Attachments: 5

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Attorney Docket Number	BROGT0118PUS
	2019 150 EM

Title of Invention	VEHICLE DRIVE MECHANISM		
As a below named inventor, I hereby declare that:			
This declaration is directed to:			
The attached application, or			
United States a 16/420,787 insertion of the	United States application or PCT international application number 16/420,787 filed on May 23, 2019 insertion of the application filing date and number when they become known.)		
The above-identified application	was made or authorized to be made by me.		
I believe that I am the original inv	ventor or an original joint inventor of a claimed invention in the application.		
I hereby state that I have reviewed	d and understand the contents of the above-identified specification, including the claims.		
I am aware of the duty to disclose as defined in 37 C.F.R. § 1.56.	e to the U.S. Patent and Trademark Office all information known to me to be material to patentability		
over to Brose Fahrzengteile Gmb state or country of Germany, and ASSIGNEE, its successors, assig inventions and discoveries in the legal representatives to make appl in its or their own name or names successors, assigns or other legal	Ind valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set H&Co. Kommanditgesellschaft. Bamberg, a corporation organized and existing under the laws of the having a place of business at Berliner Ring 1. Bamberg 96052. Germany, hereinafter referred to as the ns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the above-identified application including the right of said ASSIGNEE, its successors, assigns or other ications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its representatives, all rights of priority, including any provisional applications, in and to said inventions including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, eissue 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 and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold 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: <u>KIM TAYLOR</u>	Date: <u>15 mAy 2019</u>		
Signature:			
Page I (Supplemental Sheet with	Additional Joint Inventors is attached if necessary)		
Note: An Application Data Sheet (P	TO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		

Attorney Docket Number BRO	GT011RPUS
	150 EM

Title of Inventi	,	
	VEHICLE DRIVE MECHANISM	
As a below named	d inventor, I hereby declare that:	
This declaration is		
6000		
\boxtimes	The attached application, or	
	United States application or PCT international application number 16/420,787 filed on May 23, 2019 insertion of the application filing date and number when they become known.) (I hereby authorize the	
	ied application was made or authorized to be made by me.	
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.	
I hereby state that	I have reviewed and understand the contents of the above-identified specification, including the claims.	
I am aware of the as defined in 37 C	duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability I.F.R. § 1.56.	
state or country of ASSIGNEE, its su inventions and dis legal representativ in its or their own successors, assign and discoveries in divisionals, reexar	ORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set receipted GmbH & Co. Kommanditgesellschaft, Bamberg, a corporation organized and existing under the laws of the Germany, and having a place of business at Berliner Ring I, Bamberg 96052, Germany, hereinafter referred to as the accessors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the acceveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other less to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries name or names, or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its so or other legal representatives, all rights of priority, including any provisional applications, in and to said inventions all countries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, minations 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 and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.		
And I hereby repre	esent and warrant that I have not granted any rights inconsistent with the rights granted herein.	
I hereby acknowl imprisonment of n	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or not more than five (5) years or both.	
LEGAL NAME OF INVENTOR		
Inventor: A	NDREW LAKERDAS Date: May 15 2019	
Signature:	and w Lakerdo	
Page 2 (Suppleme	ental Sheet with Additional Joint Inventors is attached if necessary)	
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		

Attorney Docket Number	RROGTOLISPIES
1	2019 150 EM

Title of Invention			
	VEHICLE DRIVE MECHANISM		
As a below named inventor, I hereby declare that:			
This declaration is direc	ited to:		
	ttached application, or		
16/4	United States application or PCT international application number 16/420,787 filed on May 23, 2019 insertion of the application filing date and number when they become known.)		
The above-identified ap	plication was made or authorized to be made by me.		
I believe that I am the or	riginal inventor or an original joint inventor of a claimed invention in the application.		
I hereby state that I have	e reviewed and understand the contents of the above-identified specification, including the claims.		
I am aware of the duty t as defined in 37 C.F.R.	o disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability § 1.56.		
over to Brose Fahrzeugt state or country of Germ ASSIGNEE, its success inventions and discover legal representatives to r in its or their own name successors, assigns or of and discoveries in all co	or good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set eile GmbH & Co. Kommanditgesellschaff, Bamberg, a corporation organized and existing under the laws of the hany, and having a place of business at Berliner Ring I, Bamberg 96052, Germany, hereinafter referred to as the ors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the ries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries or names, or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its ther legal representatives, all rights of priority, including any provisional applications, in and to said inventions untries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, one 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 and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.			
And I hereby represent a	and warrant that I have not granted any rights inconsistent with the rights granted herein.		
	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or re than five (5) years or both.		
LEGAL NAME OF INV	/ENTOR		
Inventor: <u>MARK</u>	FARRUGIA Date: US MAY 2019		
Signature: /////	Skinge		
Page 3 (Supplemental S	heet with Additional Joint Inventors is attached if necessary)		
Note: An Application Dat	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		

Attorney Docket Number BROGT0118PUS 2019 150 EM

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention)B	VEHICLE DRIVE MECHANISM
As a below named	inventor, I her	eby declare that:
This declaration is	directed to:	
\boxtimes	The attached ap	pplication, or
	United States application or PCT international application number 16/420,787 filed on May 23, 2019 insertion of the application filing date and number when they become known.)	
The above-identifi	ed application v	was made or authorized to be made by me.
I believe that I am	the original inv	ventor or an original joint inventor of a claimed invention in the application.
I hereby state that	I have reviewed	d and understand the contents of the above-identified specification, including the claims.
I am aware of the as defined in 37 C.	duty to disclose F.R. § 1.56.	e to the U.S. Patent and Trademark Office all information known to me to be material to patentability
over to <u>Brose Fahr</u> state or country of ASSIGNEE, its su inventions and dis legal representative in its or their own successors, assigns	zeugteile Gmbl Germany, and lecessors, assign coveries in the esto make appliname or names or other legal all countries, in	Ind valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set H&Co. Kommanditgesellschaft, Bamberg, a corporation organized and existing under the laws of the having a place of business at Berliner Ring 1, Bamberg 96032. Germany, hereinafter referred to as the ns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the above-identified application including the right of said ASSIGNEE, its successors, assigns or other leations and to receive Letters Patent for said inventions and discoveries in any and all foreign countries, or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its representatives, all rights of priority, including any provisional applications, in and to said inventions including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, eissue applications.
applications for Le	tters Patent of	my heirs, successors, assigns or other legal representatives to execute any and all papers, including any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, gal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.
And I hereby repre	sent and warra	nt that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowl- imprisonment of n	edge that any ot more than fiv	willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or ve (5) years or both.
LEGAL NAME O	FINVENTOR	the second of th
Inventor: AI	<u>WIN MACHI</u>	Date: <u>05/15/2019</u>
Signature: 4	544	
Page 4 (Suppleme	ntal Sheet with	Additional Joint Inventors is attached if necessary)
Notes An Application	in Data Sheet (P3	TO/SB/IA or equivalent) including naming the entire invention antity and account this 6

:	Attorney	Docket Number	BRO	GT0118	PUS	
			2019	150 EM	ľ	

Title of Invention		SUPPRESENT TO TABLES TO BATHETY & ANTON A				
		VEHICLE DRIVE MECHANISM				
As a below named inventor, I hereby declare that:						
This declaration is directed to:						
⊠ т	he attached ap	ed application, or				
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I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.						
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over to Brose Fahrzeugteile GmbH & Co. Kommanditgesellschaft. Bamberg, a corporation organized and existing under the laws of the state or country of Germany, and having a place of business at Berliner Ring 1. Bamberg 26052. Germany, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to said inventions and discoveries in all countries, 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 and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold 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: MIC Signature: MC	INVENTOR HAEL KUIP Yur K	Date: 5/15/19				
Page 5 (Supplemental Sheet with Additional Joint Inventors is attached if necessary)						
·····		O/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.				

PATENT REEL: 049270 FRAME: 0183

RECORDED: 05/23/2019