504689736 12/15/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4736458

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID COLAVINCENZO	12/07/2016
FERNANDO VENEGAS DIAZ	12/07/2016

RECEIVING PARTY DATA

Name:	BENDIX COMMERCIAL VEHICLE SYSTEMS LLC		
Street Address:	901 CLEVELAND STREET		
City:	ELYRIA		
State/Country:	OHIO		
Postal Code:	44035		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15842623

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.

Email: mstanwyck@crowell.com
Correspondent Name: CROWELL & MORING LLP
Address Line 1: 1001 PENNSYLVANIA AVE NW
Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	102761.69176C3		
NAME OF SUBMITTER: MARK H. NEBLETT, REG. NO. 42,028			
SIGNATURE: /Mark H. Neblett/			
DATE SIGNED:	12/15/2017		
This document serves as an Oath/Declaration (37 CFR 1.63).			

Total Attachments: 2

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PATENT 504689736 REEL: 044405 FRAME: 0133

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention	Front End Motor Generator	and Hybrid electric Vehic	cle Operating Method
the applica PCT Intern	nd declaration are directed to (che ion identified above by the attorn ational Application Numberes Application No.	ey docket no. and title of i	
	ASSI	<u>GNMENT</u>	
	able consideration, the receipt and ntor I have sold and assigned, and		
Name of Assigned	: Bendix Commercial Vehic	le Systems LLC	
Address of Assign	ee: 901 Cleveland Street, Elyr	ia, Ohio 44035	
and to the above-ic continuations there such application o enjoyed by said A	GNEE) all my right, title and inter- lentified invention and United States, and in and to any and all Letter for said invention, including any SSIGNEE, its successors or assign may be granted as fully and entiren made.	tes patent application, inclers Patent of the United Strand all reissues or extension to the full end of the ten	luding any and all divisions or ates which may issue on any ions thereof, to be held and m or terms for which any and all
I hereby authorize Letters Patent to sa	and request the Director of the U. id ASSIGNEE, its successors or	S. Patent and Trademark (assigns in accordance here	Office to issue any and all such with.
I warrant and cove and assigned and t herewith.	nant that I have the full and unence nat I have not executed and will n	cumbered right to sell and ot execute any document of	assign the interests herein sold or instrument in conflict
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.			
	DECL	<u>ARATION</u>	
As a below named	inventor, I hereby declare that:		
The above-identifi	ed application was made or author	rized to be made by me.	
I believe that I am	the original inventor or an origina	l joint inventor of a claime	ed invention in the application.
I hereby acknowle 1001 by fine or im	lge that any willful false statemen prisonment of not more than five	t made in this declaration (5) years, or both.	is punishable under 18 U.S.C.
Signature: Language D)		<u>(2184 - 12 - 7 -/4</u> DATE

PATENT REEL: 044405 FRAME: 0134

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention:	Front End Motor Generator	and Hybrid electric Vehi	cle Operating Method
the application is	claration are directed to (che dentified above by the attorn al Application Number oplication No	ey docket no. and title of	invention
	ASSI	GNMENT	
For good and valuable of below named inventor l	consideration, the receipt and have sold and assigned, and	I sufficiency of which are	hereby acknowledged, as a sell and assign, unto:
Name of Assignee:	Bendix Commercial Vehic	cle Systems	
Address of Assignee:	901 Cleveland Street, Elyi	ria, Ohio 44035	
and to the above-identificontinuations thereof, a such application or for enjoyed by said ASSIG	fied invention and United Stand in and to any and all Lette said invention, including any NEE, its successors or assign to be granted as fully and entity	ntes patent application, inc ers Patent of the United S vand all reissues or extens ns to the full end of the te	its territories and possessions in cluding any and all divisions or tates which may issue on any sions thereof, to be held and rm or terms for which any and al held and enjoyed by me had this
	request the Director of the U SSIGNEE, its successors or		Office to issue any and all such ewith.
	that I have the full and unenhave not executed and will n		d assign the interests herein sold or instrument in conflict
or assigns all informatic and deliver any papers, acts deemed necessary perfect title to said inve- all Letters Patent which ASSIGNEE, its success	on known to me relating to so make all rightful oaths, testi or desirable by said ASSIGN ention, to said application incoming may be granted therefor or	aid invention or patent ap ify in any legal proceeding NEE, its successors, legal cluding divisions and cont thereon, including reissue aid ASSIGNEE, its succes	inuations thereof and to any and ss or extensions, in said ssors, legal representatives or
<u> </u>		ARATION	
As a below named inve	entor, I hereby declare that:	nnnnnnnnnnisk (1999) (1999) (1999)	
The above-identified ap	pplication was made or autho	orized to be made by me.	
I believe that I am the	original inventor or an origin	al joint inventor of a clair	ned invention in the application.
	that any willful false stateme onment of not more than five		n is punishable under 18 U.S.C.
Signature: Ferna	ndo VENEGAS DIAZ	<u> </u>	12 - 7 - 16 DATE

PATENT
RECORDED: 12/15/2017 REEL: 044405 FRAME: 0135