505350111 02/27/2019 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5396896

SUBMISSION TYPE:		NEW AS	SIGNMENT		
NATURE OF CONVEYAN	NCE: ASSIGNMENT				
CONVEYING PARTY DA	ATA				
		Name			Execution Date
JEFFREY COLEMAN					02/20/2019
LENNY TAN					02/25/2019
ROBERT CHARNOCK					02/25/2019
ZHENG LI					02/24/2019
REZA KHAMSI					02/20/2019
RECEIVING PARTY DA	ТА				
Name:		X COMMERCIA	AL VEHICLE SYSTEM	IS LLC	
Street Address:	901 CL	EVELAND STF	REET		
City:	ELYRI	4			
State/Country:	оню				
Postal Code:	44035				
	Total				
PROPERTY NUMBERS	Total: 1				
Property Type			Number		
Property Type		16287905	Number		
Property Type Application Number:		16287905	Number		
Application Number:	ΑΤΑ	16287905	Number		
	ATA				
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be	e sent t	(202)628-8844 • the e-mail ad	dress first; if that is		
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p	e sent t	(202)628-8844 • the e-mail add t; if that is uns	dress first; if that is		
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone:	e sent t	(202)628-8844 5 the e-mail add 1; if that is uns 202-624-2500	dress first; if that is uccessful, it will be	sent via	US Mail.
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email:	e sent t	(202)628-8844 5 the e-mail add 1; if that is uns 202-624-2500 edocket@crow	dress first; if that is uccessful, it will be ell.com, abaland@cro	s ent via well.com	n US Mail. m
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name:	e sent t	(202)628-8844 5 the e-mail add 1; if that is uns 202-624-2500 edocket@crow CROWELL & N	dress first; if that is uccessful, it will be ell.com, abaland@cro IORING LLP INTELL	s ent via well.cor ECTUAI	US Mail.
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1:	e sent t	(202)628-8844 5 the e-mail add 1; if that is uns 202-624-2500 edocket@crow CROWELL & N INTELLECTUA	<i>dress first; if that is</i> <i>uccessful, it will be</i> ell.com, abaland@cro /ORING LLP INTELL L PROPERTY GROU	s ent via well.cor ECTUAI	n US Mail. m
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone:	e sent t	(202)628-8844 5 the e-mail add 6 ; if that is uns 202-624-2500 edocket@crow CROWELL & N INTELLECTUA P.O. BOX 1430	<i>dress first; if that is</i> <i>uccessful, it will be</i> ell.com, abaland@cro /ORING LLP INTELL L PROPERTY GROU	s ent via well.cor ECTUAI	n US Mail. m
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	e sent te	(202)628-8844 o the e-mail add d; if that is uns 202-624-2500 edocket@crow CROWELL & N INTELLECTUA P.O. BOX 1430 WASHINGTON	dress first; if that is uccessful, it will be ell.com, abaland@cro /ORING LLP INTELL L PROPERTY GROU	s ent via well.cor ECTUAI	n US Mail. m
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	e sent te	(202)628-8844 o the e-mail add d; if that is uns 202-624-2500 edocket@crow CROWELL & N INTELLECTUA P.O. BOX 1430 WASHINGTON 102761.F	dress first; if that is uccessful, it will be ell.com, abaland@cro /ORING LLP INTELL L PROPERTY GROU 0 I, D.C. 20044-4300	s ent via well.cor ECTUAI	n US Mail. m
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	e sent te	(202)628-8844 o the e-mail add d; if that is uns 202-624-2500 edocket@crow CROWELL & N INTELLECTUA P.O. BOX 1430 WASHINGTON 102761.F JONATH	dress first; if that is uccessful, it will be ell.com, abaland@cro /ORING LLP INTELL L PROPERTY GROL 0 J, D.C. 20044-4300	s ent via well.cor ECTUAI	n US Mail. m
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER:	e sent te	(202)628-8844 o the e-mail add d; if that is uns 202-624-2500 edocket@crow CROWELL & N INTELLECTUA P.O. BOX 1430 WASHINGTON 102761.F JONATH	dress first; if that is accessful, it will be ell.com, abaland@cro AORING LLP INTELL L PROPERTY GROU DO I, D.C. 20044-4300 PB942US IAN M. LINDSAY n Lindsay/	s ent via well.cor ECTUAI	n US Mail. m

Total Attachments: 5

source=PB942US Assignment and Declaration#page1.tif source=PB942US Assignment and Declaration#page2.tif source=PB942US Assignment and Declaration#page3.tif source=PB942US Assignment and Declaration#page4.tif source=PB942US Assignment and Declaration#page5.tif

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

Title of Invention:	Shadowless Camera Housing		
the application i	claration are directed to (check dentified above by the attorney al Application Number	one): docket no. and title of inv . filed	ention
United States A		, filed	
	ASSIG	NMENT	

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

Name of Assignee: Bendix Commercial Vehicle Systems LLC

Address of Assignee: 901 Cleveland Street, Elyria, Ohio 44035

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on aby such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me has this Assignment not been made.

I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith.

I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

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.

<u>DECLARATION</u>

As a below named inventor, I hereby declare that:

The above-identified 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 acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of nor prore than five (5) years, or both.

Signature: Inventor:	Alda	2/20/19	
Inventor:	Jeffréy COLEMAN	DATE	*****
THE COURSESS AND ADDRESS	a		
DCACTIVE-487996	/0 1		
			8

PATENT REEL: 048460 FRAME: 0517 Attorney Docket No. 102761.PB942US

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.68 (For Use with Signed Application Data Sheet)

Title of Invention: Shadowless Camera Housing

This assignment and declaration are directed to (check one):

It the application identified above by the attorney docket no. and title of invention

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

Name of Assignee: Bendix Commercial Vehicle Systems LLC

Address of Assignce: 901 Cleveland Street, Elyria, Ohio 44035

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith.

I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

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 relasues or extensions, in said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.

DECLARATION

As a below named inventor, I hereby declare that:

The above-identified 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 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.

the second s

Signature: Inventor:

Lenny XAN

2/25/19

PATENT REEL: 048460 FRAME: 0518

DCACTIVE-18799670 1

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

Title of Invention:	Shadowless Camera Housing	5	
the application	eclaration are directed to (check identified above by the attorney	docket no. and title of inve	ntion
	nal Application Number	, filed	
United States /	Application No.	, filed	
			mmm

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as \$ below named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

Name of Assignee: Bendix Commercial Vehicle Systems LLC

Address of Assignee: 901 Cleveland Street, Elyria, Ohio 44035

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held an enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith.

I warrant and covenant that I have the full and unencumbered right to sell and assign the interests hereinsold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

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 år assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.

DECLARATION

As a below named inventor, I hereby declare that:

The above-identified 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 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.

Signature: Inventor:

Robert CHARNOCK

2/25/2019 DATE

PATENT REEL: 048460 FRAME: 0519

DCACTIVE-48799670 1

Attorney Docket No. 102761.PB942US

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

Title of Invention:	Shadowless Camera Housing		
	lectaration are directed to (chech identified above by the attorney		ention
PCT Internatio	nal Application Number	, filed	
United States /	Vpplication No.	. filed	

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

Name of Assignee: Bendix Commercial Vehicle Systems LLC

Address of Assignee: 901 Cleveland Street, Elyria, Ohio 44835

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on an such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any asd all such Letters Patent may be gramted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

1 hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith.

I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

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.

DECLARATION

As a below named inventor, I hereby declare that:

The above-identified 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 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.

Signature:	Zhengli	02/24/201	9
Inventor:	Zheng LI 🥖	DATE	
DCACTIVI(-4879	*\$67 81	ΡΔΤΕ	:NT

REEL: 048460 FRAME: 0520

Attorney Docket No. 102761.PB942US

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.43 (For Use with Signed Application Data Sheet)

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

Name of Assignee: Bendix Commercial Vehicle Systems LLC

Address of Assignce: 901 Cleveland Street, Elyria, Ohio 44035

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith.

I warrant and covenant that I have the full and unencumbered right to sell and assign the interests hereix sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

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.

DECLARATION

As a below named inventor, I hereby declare that:

The above-identified 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 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.

Signature:
Inventor:

n III	n
Kend ! las	7
Darg VII AMES	

DCACTIVE-487996701

RECORDED: 02/27/2019

PATENT REEL: 048460 FRAME: 0521

_____ Z / Z & / / 3