PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5094207

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSE ROBERTO VARGAS RIVERO	03/20/2018
CARSTEN GUT	05/02/2018
JOHANNES REIM	05/14/2018

RECEIVING PARTY DATA

Name:	AUDI AG
Street Address:	85045
City:	INGOLSTADT
State/Country:	GERMANY

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15762375

CORRESPONDENCE DATA

Fax Number: (202)371-2540

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: 202-371-2600

Email: ladgerso@sternekessler.com

Correspondent Name: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C

Address Line 1: 1100 NEW YORK AVENUE, N.W.

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	4557.0620001
NAME OF SUBMITTER:	AMIRALI SHARIFI
SIGNATURE:	/Amirali Sharifi, #68,887/
DATE SIGNED:	08/13/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 9

source=4557062assignment#page1.tif source=4557062assignment#page2.tif source=4557062assignment#page3.tif source=4557062assignment#page4.tif

> PATENT REEL: 046626 FRAME: 0219

505047453



COMBINED DECLARATION AND ASSIGNMENT

DECLARATION

	As the below named inventors, I hereby declare that:								
	This declaration is directed to:								
		The attached application, or							
PCT/EI	⊠ 2016/	United 072725	States	application	or	PCT	international	application	number
		filed on §	Septembe	er 23, 2016					

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.

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the below named inventors, each of the below named inventors, hereby sell and assign to Audi AG, whose mailing address is 85045 Ingolstadt, Germany (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

- (a) in the invention(s) known as **PROJECTION OF A PRE-DEFINABLE LIGHT PATTERN** for which application(s) for patent in the United States of America is identified above, in any and all applications thereon, in any and all Letters Patent(s) therefor, and
 - (b) in any and all applications that claim the benefit of the patent application identified above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
 - (c) in any and all inventions described in the patent application identified above in part (a), and in any and all forms of intellectual and industrial property protection

derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The below named inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The below named inventors agree to execute all papers necessary in connection with any patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such patent enforcement action.

The below named inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The below named inventors hereby represent that he/she understands that the patent practitioners associated with CUSTOMER NUMBER 26111 are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the below named inventors on the date opposite his/her name.

LEGAL NAME OF INVENTOR

Inventor:	Jose Roberto VAR RIVERO	RGAS Date:	20.03.2018
Signature o	of Inventor:	2	Signature of the second of the
LEGAL N	AME OF INVENTOR		
Inventor:	Carsten GUT	Date:	
Signature o	f Inventor:	, , , , , , , , , , , , , , , , , , ,	
LEGAL NA	AME OF INVENTOR		
Inventor:	Johannes REIM	Date:	
Signature o	f Inventor:		
9042098 1.docx			

Page 3 of 3

COMBINED DECLARATION AND ASSIGNMENT

<u>DECLARATION</u>

As the below named inventors, I hereby declare that:

	This d	eclaration	is direct	ed to:					
		The attac	ched appl	ication, or					
PCT/E	⊠ P2016/	United 072725	States	application	or	PCT	international	application	number
		filed on	Septemb	er 23, 2016					
.4.	The ab	ove-iden	tified app	lication was r	nade	or autho	orized to be made	de by me.	
invent		eve that ne applica		original inv	entor	or an	original joint	inventor of a	claimed
punish both.	I here able un	eby ackno ider 18 U	owledge .S.C. § 1	that any wil 001 by fine o	lful r imp	false st orisonme	atement made ent of not more	in this declar than five (5)	ration is years, or
				Α	SSIC	NMEN	T		

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the below named inventors, each of the below named inventors, hereby sell and assign to **Audi AG**, whose mailing address is 85045 Ingolstadt, Germany (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

- (a) in the invention(s) known as **PROJECTION OF A PRE-DEFINABLE LIGHT PATTERN** for which application(s) for patent in the United States of America is identified above, in any and all applications thereon, in any and all Letters Patent(s) therefor, and
 - (b) in any and all applications that claim the benefit of the patent application identified above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
 - (c) in any and all inventions described in the patent application identified above in part (a), and in any and all forms of intellectual and industrial property protection

derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The below named inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The below named inventors agree to execute all papers necessary in connection with any patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such patent enforcement action.

The below named inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The below named inventors hereby represent that he/she understands that the patent practitioners associated with **CUSTOMER NUMBER 26111** are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the below named inventors on the date opposite his/her name.

LEGAL NAME OF INVENTOR

9042098_1.docx

Inventor:	Jose Roberto RIVERO	VARGAS	Date:	
Signature o	f Inventor:		***************************************	
LEGAL NA	AME OF INVENTOR			
Inventor:	Carsten GUT		Date:	02.05.18
Signature o	f Inventor:	art		4
LEGAL NA	AME OF INVENTOR			
Inventor:	Johannes REIM		Date:	
Signature o	f Inventor:		(1911) professional del constitución de la constitu	

Page 3 of 3

COMBINED DECLARATION AND ASSIGNMENT

DECLARATION

As the below named inventors, I hereby declare that:

This declaration is directed to:
The attached application, or
United States application or PCT international application number PCT/EP2016/072725
filed on September 23, 2016
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.
<u>ASSIGNMENT</u>
In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the below named inventors, each of the below named inventors, hereby sell and assign to Audi AG , whose mailing address is 85045 Ingolstadt, Germany (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for

(b) in any and all applications that claim the benefit of the patent application identified above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters

PATTERN for which application(s) for patent in the United States of America is identified

(a) in the invention(s) known as PROJECTION OF A PRE-DEFINABLE LIGHT

the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

above, in any and all applications thereon, in any and all Letters Patent(s) therefor, and

Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application identified above in part (a), and in any and all forms of intellectual and industrial property protection

derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The below named inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The below named inventors agree to execute all papers necessary in connection with any patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such patent enforcement action.

The below named inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The below named inventors hereby represent that he/she understands that the patent practitioners associated with CUSTOMER NUMBER 26111 are the legal representatives of, and attorneys for, the assignee, and are NOT the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the below named inventors on the date opposite his/her name.

LEGAL NAME OF INVENTOR

Inventor: Jose Roberto VARGAS Date:
RIVERO

Signature of Inventor:

LEGAL NAME OF INVENTOR

Inventor: Carsten GUT Date:

Signature of Inventor:

LEGAL NAME OF INVENTOR

Inventor: Johannes REIM Date: 46, 05, 2018

Signature of Inventor:

Page 3 of 3

PATENT REEL: 046626 FRAME: 0229

9042098_1.docx