PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4852295

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CYRIL PAUL DENIS VERPLANCKE	10/12/2017
MATHIEU HENRY RAYMOND TRIGER	10/05/2017
JESUS ANGEL HUMANES ASENSIO	10/02/2017
JEAN-LUC MARCEL RENE PATTYN	10/02/2017
IVAN MARTINEZ PEREZ	10/06/2017

RECEIVING PARTY DATA

Name:	ARIANEGROUP SAS
Street Address:	TOUR CRISTAL, 7-11 QUAI ANDRE CITROEN
City:	PARIS
State/Country:	FRANCE
Postal Code:	75015

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15547384

CORRESPONDENCE DATA

Fax Number: (703)413-2220

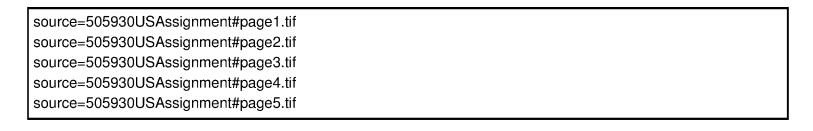
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (703) 413-3000
Email: amelaku@oblon.com
Correspondent Name: OBLON, ET AL.
Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	505930US
NAME OF SUBMITTER:	AIDA MELAKU
SIGNATURE:	/Aida Melaku/
DATE SIGNED:	03/06/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
T	<u> </u>

Total Attachments: 5



DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention CAPACITIVE SYSTEM FOR CORRECTING THE POGO EFFECT WITH SEMI-CENTERED DISCHARGE TUBE CAPABLE OF BEING POSITIONED IN A
As the below named inventor, I hereby declare that:
This declaration The attached application, or
is directed to: United States application or PCT international application number 15/547,384 filed on July 28, 2017
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.
WHEREAS, ARIANEGROUP SAS (hereinafter referred to as "ASSIGNEE") having places of business at: Tour Cristal, 7-11 Quai André Citroën, 75015 PARIS (France), is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.
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: Cyril Paul Denis XERPLANCKE Date: 11/10/7017
Signature:

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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Title of

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

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acknowledged, and said ASSIGNEE, t and in all foreign o other relevant Inter interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions ountries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, mewals thereof.
any and all foreign assignee of my ent (his) successors an	ize and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.
respecting said in continuation, subst all of said Letters possible to aid sai	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me vention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, itute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything d ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said ited States and its territorial possessions and in any and all foreign countries.
by fine or imprisor	viedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME O	FINVENTOR
	u Henry Raymond TRIGER Date: October 05, 2017
Signature:	MU

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Invention	CAPACITIVE SYSTEM FOR CORRECTING T CENTERED DISCHARGE TUBE CAPABLE O BEND	
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I believe that I am the	original inventor or an original joint inventor of a clain	ed invention in the application.
75015 PARIS (France	NEGROUP SAS to as "ASSIGNEE") having places of business at:	erest in and to said invention and in and
acknowledged, and for said ASSIGNEE, the and in all foreign coun- other relevant Interna- interest in and to any	PRE, in consideration of the sum of FIVE DOLLARS or other good and valuable consideration, I, by these purple full and exclusive right to the said invention in the Unintries (including the right to claim priority under the tentional Treaties and Arrangements from the aforesaid appropriate and all Letters Patent which may be granted thereformly and all foreign countries and in and to any and wals thereof.	resents do sell, assign and transfer unto ted States and its territorial possessions arms of the International Convention and oplication) and the entire right, title and in the United States and its territorial
any and all foreign coassignee of my entire (his) successors and a	and request the Patent Office Officials in the United Sountries to issue any and all of said Letters Patent, wiright, title and interest in and to the same, for the sole assigns, to the full end of the term for which said Lett would have been held by me had this Assignment and said	nen granted, to said ASSIGNEE as the use and behoof of said ASSIGNEE, its ers Patent may be granted, as fully and
respecting said inver continuation, substitut all of said Letters Pa possible to aid said A	at I will communicate to said ASSIGNEE or its (his) ntion, and testify in any legal proceeding, sign all te, renewal and reissue applications, execute all necess stent to be issued to said ASSIGNEE, make all right ASSIGNEE, its (his) successors and assigns, to obtain d States and its territorial possessions and in any and all	lawful papers, execute all divisional, ary assignment papers to cause any and ul oaths, and, generally do everything and enforce proper protection for said
I hereby acknowled by fine or imprisonme	dge that any willful false statement made in this declara ent of not more than five (5) years, or both.	tion is punishable under 18 U.S.C. 1001
LEGAL NAME OF I	NVENTOR	
Inventor: Jesus Ange	el HUMANES ASENSIO Da	te: 02-00 1015 ER-7017
Signature:		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

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This declaration The	attached application, or
is directed to:	ted States application or PCT international application number 15/547,384 d on July 28, 2017
The above-identified app	lication was made or authorized to be made by me.
I believe that I am the ori	ginal inventor or an original joint inventor of a claimed invention in the application.
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acknowledged, and for o said ASSIGNEE, the full and in all foreign countri other relevant Internation interest in and to any an	ther good and valuable consideration, I, by these presents do sell, assign and transfer unto and exclusive right to the said invention in the United States and its territorial possessions es (including the right to claim priority under the terms of the International Convention and all Treaties and Arrangements from the aforesaid application) and the entire right, title and dall Letters Patent which may be granted therefor in the United States and its territorial and all foreign countries and in and to any and all divisions, reissues, continuations, s thereof.
any and all foreign coun assignee of my entire rig (his) successors and assign	d request the Patent Office Officials in the United States and its territorial possessions and tries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ht, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its gns, to the full end of the term for which said Letters Patent may be granted, as fully and d have been held by me had this Assignment and sale not been made.
respecting said invention continuation, substitute, reall of said Letters Patent possible to aid said ASS	will communicate to said ASSIGNEE or its (his) representatives any facts known to me in, and testify in any legal proceeding, sign all lawful papers, execute all divisional, renewal and reissue applications, execute all necessary assignment papers to cause any and it to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything IGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said tates and its territorial possessions and in any and all foreign countries.
by fine or imprisonment of	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 of not more than five (5) years, or both.
LEGAL NAME OF INV	
Inventor: Jean-Luc Ma	rcel Rané PATTYN Date: 02 octobre 2017
Oignature.	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNER

Title of Invention CAPACITIVE SYSTEM FOR CORRECTING THE POGO EFFECT WITH SEMI- CENTERED DISCHARGE TUBE CAPABLE OF BEING POSITIONED IN A BEND
As the below named inventor, I hereby declare that:
This declaration [] The attached application, or
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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.
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NOW THEREFORE in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the international Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations substitutions and renewals thereof.
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by fine or imprisonment of not more than five (5) years, or both LEGAL NAME OF INVENTOR
Inventor: Ivan, MARTINEZ PEREZ Date: October 6, 2017
Signature: Laborate

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 045115 FRAME: 0433

RECORDED: 03/06/2018