505974957 03/19/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6021665

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DIMITRIOS MAVROEIDIS	03/11/2020
MONIQUE HENDRIKS	09/17/2018
PIETER CHRISTIAAN VOS	09/15/2018
SERGIO CONSOLI	09/10/2018
JACEK LUKASZ KUSTRA	09/17/2018
JOHAN JANSSEN	09/13/2018
RALF DIETER HOFFMANN	09/19/2018

RECEIVING PARTY DATA

Name:	KONINKLIJKE PHILIPS N.V.
Street Address:	HIGH TECH CAMPUS 52
City:	EINDHOVEN
State/Country:	NETHERLANDS
Postal Code:	5656 AG

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16648719

CORRESPONDENCE DATA

Fax Number: (914)495-9540

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: 914-495-9516

Email: jacqueline.andreu@philips.com

PHILIPS INTELLECTUAL PROPERTY & STANDARD **Correspondent Name:**

465 COLUMBUS AVENUE Address Line 1:

Address Line 2: **SUITE 340**

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2017P02263WOUS
NAME OF SUBMITTER:	KYLE J. TROUT
SIGNATURE:	/Kyle J. Trout/
DATE SIGNED:	03/19/2020

Total Attachments: 7 source=2017P02263WOUS_Assignments#page1.tif source=2017P02263WOUS_Assignments#page2.tif source=2017P02263WOUS_Assignments#page3.tif source=2017P02263WOUS_Assignments#page4.tif source=2017P02263WOUS_Assignments#page5.tif source=2017P02263WOUS_Assignments#page6.tif source=2017P02263WOUS_Assignments#page7.tif

Date:

Date: _____

hereby sell, and assign, and having a place of business at	transfer the entire High Tech Cam	n I/we acknowledge receipt, I/we as a below-named e and exclusive right, title, and interest in the follow pus 5, 5656 AE, Eindhoven, the Netherlands, its su ectively "the Assignee") my/our invention for which	ring to Koninklijke Philips N.V., uccessors, assigns, and legal
is executed concurrently	herewith		
was filed on ***, having a	United States Ap	oplication No. ***	
was filed on 2018-Sep-10) , having an Inter	rnational Application No. PCT/EP2018/074256,	
therewith, based thereon, or divisions, continuations, continuations, continuations	claiming priority t inuations-in-part,	ll other United States, foreign and international pate therefrom including, but not limited to, any and all p re-examinations, reissues, and extensions thereot e, and interest in and to any and all patents granted	rovisionals, non-provisionals, and the right to claim priority
·		fice officials in the United States and in any and all the Assignee(s), for its sole use, and that of its suc	•
Upon request at the expense proceedings including patent	of the Assignee, prosecution action	e the Assignee to enjoy the foregoing right, title, an , I/we agree to execute all papers, take all rightful c ons and infringement actions, and do all other such ng and maintaining patents on the foregoing invent	aths, testify in all legal acts which may be
I/We certify that I/we have the	full right to conv	vey the above rights.	
•	,	that the above-identified application was made or a al joint Inventor of a claimed invention in the applic	* *
I hereby acknowledge that ar imprisonment of not more that	•	atement made in this declaration is punishable under or both.	er 18 U.S.C. 1001 by fine or
Date:March 11, 2020	Signature:	/Dimitrios Mavroeidis/	Assignor/Inventor
Date:	Signature:	Dimitries MAVROEIDIS	Assignor/Inventor
Date.	-	Monique HENDRIKS	2
Date:	Signature:	Pieter Christiaan VOS	Assignor/Inventor
Date:	Signature:		Assignor/Inventor
Date:	Signature:	Sergio CONSOLI	Assianor/Inventor

Jacek Lukasz KUSTRA

Ralf Dieter HOFFMANN

Johan JANSSEN

Signature:

Signature:

PATENT REEL: 052163 FRAME: 0715

Assignor/Inventor

Assignor/Inventor

hereby sell, and assign, and tra having a place of business at H	insfer the entire	n I/we acknowledge receipt. I/we as a below-named A e and exclusive right, title, and interest in the following pus 5, 5656 AE, Eindhoven, the Netherlands, its succ actively "the Assignee") my/our invention for which an	g to Koninklijke Philips N.V., tessors, assigns, and legal
is executed concurrently he	rewith		
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was filed on 2018-Sep-10, I	naving an Inter	national Application No. PCT/EP2018/074256,	
therewith, based thereon, or cladivisions, continuations, and the entire and excitational and all Letters Patent when grant representatives. I/We will provide my/our cooper Upon request at the expense of proceedings including patent provides.	iming priority to the part, usive right, title the Patent Offerton to enable the Assignee, resecution action actio	Il other United States, foreign and international patent therefrom including, but not limited to, any and all prore-examinations, reissues, and extensions thereof, a part and interest in and to any and all patents granted of the officials in the United States and in any and all for the Assignee(s), for its sole use, and that of its succest the Assignee to enjoy the foregoing right, title, and its limited and infiningement actions, and do all other such a	visionals, non-provisionals and the right to claim priority in these applications. reign countries to issue any essors, assigns, and legal enterest to the fullest extent, he, testify in all legal cts which may be
necessary, desirable, or converthereto in the Assignee. I/We certify that I/we have the fi		ng and maintaining patents on the foregoing invention very the above rights.	n or for perfecting title
	*	that the above-identified application was made or aut al joint inventor of a claimed invention in the applicati	
t hereby acknowledge that any imprisonment of not more than		tement made in this declaration is punishable under or both	18 U.S.C. 1001 by fine or
Date:	Signature:	3	Assignor/Inventor
Date: 12-03-700	Signature:	Dimitrios MAVROEIDIS Monique HENDRIKS	Assignor/Inventor
Date:	Signature:		Assignor/Inventor
Date:	Signature:	Pieter Christiaan VOS	Assignor/Inventor
Date: <u>17-725-2017</u>	Signature:	Sergio CONSOLI Jacek Lukasz KUSTRA	Assignor/Inventor
Date:	Signature:		Assignor/Inventor
Date:	Signature:	Johan JANSSEN	Assignor/Inventor

Raif Dieter HOFFMANN

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s) or Inventor, hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips N.V., having a place of business at High Tech Campus 5, 5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:

	is ex	kecut	ed (concurrently herewith
	was	filed	on	***, having a United States Application No. ***
\boxtimes	was	filed	on	2018-Sep-10, having an International Application No. PCT/EP2018/074256

and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assigns, and legal representatives.

I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

I/We certify that I/we have the full right to convey the above rights.

As a below-named Inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and 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.

Date:	Signature:		, Assignor/Inventor
		Dimitrios MAVROEIDIS	
Date:	Signature:		, Assignor/Inventor
Date:15-09-2018	Signature:	Monique HENDRIKS	, Assignor/Inventor
		Pieter Christiaan VOS	
Date:	Signature:		, Assignor/Inventor
		Sergio CONSOLI	-
Date:	Signature:		, Assignor/Inventor
		Jacek Lukasz KUSTRA	
Date:	Signature:		, Assignor/Inventor
		Johan JANSSEN	
Date:	Signature:		, Assignor/Inventor
		Dalf Dieter HOFFMANN	

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☐ is executed concurrently herewith ☐ was filed on ***, having a United States Application No. *** ☑ was filed on 2018-Sep-10, having an International Application No. PCT/EP2018/074256,						
therewith, based thereon, or cla divisions, continuations, continu	and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.					
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Date:	Signature:		Assignor/Inventor			
Date:	Signature:	Dimitries MAVROEIDIS	Assignor/Inventor			
Data.	Signature:	Monique HENDRIKS	Assignor/Inventor			
water		Pieter Christiann VOS	· ·			
nate: 1414-214-245	Signature:	Sergio CONSOM	Assignor/Inventor			
Date:	Signature:	Jacek Lukasz KUSTRA	Assignor/Inventor			
Date:	Signature:	2	Assianor/Inventor			

Johan JANSSEN

Ralf Dieter HOFFMANN

Signature:

Date:

PATENT REEL: 052163 FRAME: 0718

Assignor/Inventor

hereby sell, and assign, and tra having a place of business at H	insfer the entin ligh Tech Cam	1 I/we acknowledge receipt, I/we as a below-named A e and exclusive right, title, and interest in the following pus 5, 5656 AE, Eindhoven, the Netherlands, its succ ectively "the Assignee") my/our invention for which an	g to Koninklijke Philips N.V., ressors, assigns, and legal
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therewith, based thereon, or cladivisions, continuations, continuations, continuations	aiming priority t Jations-in-part,	Il other United States, foreign and international patent therefrom including, but not fimited to, any and all pro re-examinations, reissues, and extensions thereof, a b, and interest in and to any and all patents granted o	visionals, non-provisionals nd the right to claim priority
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Date:	Signature:	Dimitrios MAVROEIDIS	Assignor/Inventor
Date: 12-03-7010	Signature:	Monique HENDRIKS	Assignor/Inventor
Date:	Signature:	Pieter Christiaan VOS	Assignor/Inventor
Date:	Signature:		Assignor/Inventor
Date: <u>{ 2 - 725 - 2017</u>	Signature:	Sergio CONSOLI Jacek Lokasz KUSTRA	Assignor/Inventor
Date:	Signature:	Jaces Luxasz KUDIKA Johan JANSSEN	Assignor/Inventor
Date:	Signature:	JOHAR JAINSSEN	Assignor/inventor

Ralf Dieter HOFFMANN

Lines constitution of the manufacture of the contract of the c Assignment & Declaration Docket No. 2017P02263WOUS For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s) or Inventor, hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips N.V., having a place of business at High Tech Campus 5, 5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application: is executed concurrently herewith was filed on ***, having a United States Application No. *** imes was filed on 2018-Sep-10, having an International Application No. PCT/EP2018/074256, and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications. I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assigns, and legal representatives. I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful paths, testify in all legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee. I/We certify that I/we have the full right to convey the above rights. As a below-named Inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application. imprisonment of not more than five (5) years, or both.

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Date:	Signature:	······································	Assignor/Inventor
	~	Dimitrios MAVROEIDIS	~
Date:	Signature:		Assignor/Inventor
	•	Monique HENDRIKS	
Date:	Signature:		Assignor/Inventor
	•	Pieter Christiaan VOS	•
Date:	Signature:	,	Assignor/Inventor
	~	Sergio CONSOLI	~
Date:	Signature:		Assignor/Inventor
	~	Jucek Lukasz KUSTRA	•
Date: <u> </u>	Signature:	· <u> </u>	Assignor/Inventor
· · · · · · · · · · · · · · · · · · ·		Johan JANSSEN	·
Date:	Signature:		Assignor/Inventor
	·	Ralf Dieter HOFFMANN	•

RECORDED: 03/19/2020

ASSIGNMENT & DECLARATION

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s) or Inventor, hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips N.V., having a place of business at High Tech Campus 5, 5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:			
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Date:	Signature:	Dimitrios MAVROEIDIS	Assignar/Inventor
Date:	Signature:	* 15	Assignor/Inventor
Date:	Signature:	Monique HENDRIKS	Assignor/Inventor
Date:	Signature:	Pieter Christiaan VOS	Assignor/Inventor
Date:	Signature:	Sergio CONSOLI	Assignor/inventor
Date:	Signature:	Jacek Lukasz KUSTRA	Assignor/Inventor
Note: 09/19/2012	Simosturo:	Johan JANSSEN P. Holes	Assimnor/Inventor

Ralf Dieter HOFFMANN