505459776 05/03/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5506579

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LUDOVICUS MARINUS GERARDUS MARIA TOLHUIZEN	10/24/2018
RONALD RIETMAN	10/24/2018
OSCAR GARCIA MORCHON	12/24/2018

RECEIVING PARTY DATA

Name:	KONINKLIJKE PHILIPS N.V.			
Street Address:	Address: HIGH TECH CAMPUS 5			
City:	EINDHOVEN			
State/Country:	NETHERLANDS			
Postal Code:	5656 AE			

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16347366

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.

914-495-9516 Phone:

Email: barbara.kinney@Philips.com

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

Address Line 1: **465 COLUMBUS AVENUE**

Address Line 2: **SUITE 340**

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2016P01227WOUS
NAME OF SUBMITTER:	EDWARD W. GOODMAN
SIGNATURE:	/Edward W. Goodman/
DATE SIGNED:	05/03/2019

Total Attachments: 3

source=2016P01227WOUS_Signed_Declaration_Assignment#page1.tif source=2016P01227WOUS_Signed_Declaration_Assignment#page2.tif source=2016P01227WOUS Signed Declaration Assignment#page3.tif

PATENT REEL: 049073 FRAME: 0542 505459776

Date:

Date:	Signature:	Ludovicus Marinus Gerardus Maria TOLHUIZEN	Assignor/Inventor
Date: 12t0be/1 24, 2018	Signature:	P. Tollwitten	Assignor/Inventor
I hereby acknowledge that an imprisonment of not more that		tement made in this declaration is punishable under 1/ or both.	8 U.S.C. 1001 by fine or
		that the above-identified application was made or auth al joint Inventor of a claimed invention in the applicatio	
I/We certify that I/we have the	full right to conv	rey the above rights.	
Upon request at the expense proceedings including patent	of the Assignee, prosecution actic	the Assignee to enjoy the foregoing right, title, and in I/we agree to execute all papers, take all rightful oath ons and infringement actions, and do all other such act ng and maintaining patents on the foregoing invention	s, testify in all legal ts which may be
		ice officials in the United States and in any and all fore the Assignee(s), for its sole use, and that of its succes	
therewith, based thereon, or o	laiming priority the nuations-in-part,	l other United States, foreign and international patent in herefrom including, but not limited to, any and all proving re-examinations, reissues, and extensions thereof, and and interest in and to any and all patents granted on	sionals, non-provisionals d the right to claim priority
was filed on 2017-Oct-31,	having an Interr	national Application No. PCT/EP2017/077843,	
was filed on ***, having a		pplication No. ***	
is executed concurrently h	arawith		
hereby sell, and assign, and thaving a place of business at	ransfer the entire High Tech Camp	I/we acknowledge receipt, I/we as a below-named As and exclusive right, title, and interest in the following ous 5, 5656 AE, Eindhoven, the Netherlands, its succe actively "the Assignee") my/our invention for which an	to Koninklijke Philips N.V., essors, assigns, and legal

Ronald RIETMAN

Oscar GARCIA MORCHON

Signature:

PATENT REEL: 049073 FRAME: 0543

Assignor/Inventor

U.S.A. Sole/Joint

ASSIGNMENT & DECLARATION

Date:	Signature:	*	Assignor/Inventor
Date: <u>2018-10-24</u>	Signature:	Ludovicus Marifiul Gerardus Maria TOLHUIZEN	Assignor/Inventor
Date:	Signature:	I adovicos Marifost Cárardos Maria TOI HITTEN	Assignor/Inventor
I 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
and that I am the original Inven	tor or an origin	that the above-identified application was made or au al joint inventor of a claimed invention in the applicat	ion.
I/We certify that I/we have the f	ull right to conv	rey the above rights.	
Upon request at the expense o proceedings including patent proceedings.	f the Assignee, rosecution action	the Assignee to enjoy the foregoing right, title, and in the Assignee to execute all papers, take all rightful oat one and infringement actions, and do all other such a magnification patents on the foregoing inventions.	hs, testify in all legal cts which may be
•		fice officials in the United States and in any and all fo the Assignee(s), for its sole use, and that of its succe	~
therewith, based thereon, or cladivisions, continuations, continuations, continuations,	ilming priority to Jations-in-part,	I other United States, foreign and international paten herefrom including, but not limited to, any and all pro re-examinations, reissues, and extensions thereof, a n, and interest in and to any and all patents granted o	visionals, non-provisionals and the right to claim priority
was filed on 2017-Oct-31, I	naving an interr	national Application No. PCT/EP2017/077843,	
was filed on ***, having a U		•	
is executed concurrently he	rewith		
hereby sell, and assign, and tra having a place of business at H	inster the entire ligh Tech Camp	We acknowledge receipt, I/we as a below-named A and exclusive right, title, and interest in the following bus 5, 5656 AE, Eindhoven, the Netherlands, its succeptively "the Assignee") my/our invention for which ar	g to Koninklijke Philips N.V cessors, assigns, and legal

Oscar GARCIA MORCHON

Signature:

PATENT REEL: 049073 FRAME: 0544

U.S.A. Sole/Joint	ASSIGNMENT & DECLARATION	Docket No. 2016P01227WOUS
O.O.A. OOIO/OOIIIL	 ACCIONNENT & DECEMBRICATION	 DOUNCE NO. 20101 01227 11000

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. ***
was filed on 2017-Oct-31, having an International Application No. PCT/EP2017/077843,

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
	_	Ludovicus Marinus Gerardus Maria TOLHUIZEN	,	_
Date:	Signature:			Assignor/Inventor
	_	Ronald RIETMAN	· ·	
Date: 12/24/2018	Signature:		•	Assignor/Inventor
	_	Oscar GARCIA MORCHON	'	· ·

PATENT REEL: 049073 FRAME: 0545

RECORDED: 05/03/2019