# 504905833 05/09/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4952577

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PAWEL MICHALSKI	11/03/2017
FRANCISCUS JOHANNES GERARDUS HAKKENS	11/16/2017
EDWARD THEODORUS MARIA BERBEN	02/05/2018
KEVIN GRAYSON WICKLINE	11/06/2017
LUCAS JOHANNES ANNA MARIA BECKERS	04/06/2018
PETER DIRKSEN	05/09/2018

### **RECEIVING PARTY DATA**

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

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	15774611	

#### **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.

**Phone:** 914-495-9516

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Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

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ATTORNEY DOCKET NUMBER:	2015P00133WOUS
NAME OF SUBMITTER:	MARIANNE FOX
SIGNATURE:	/MARIANNE FOX/
DATE SIGNED:	05/09/2018

PATENT 504905833 REEL: 045749 FRAME: 0404

# Total Attachments: 6 source=2015P00133WOUS\_assign#page1.tif source=2015P00133WOUS\_assign#page2.tif source=2015P00133WOUS\_assign#page3.tif source=2015P00133WOUS\_assign#page4.tif

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PATENT REEL: 045749 FRAME: 0405

# U.S.A. Sole/Joint

## ASSIGNMENT

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,	
and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips N.V., having	5
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:	

representatives, includ	ing any nominees (collec	ctively "the Assignee") my/our invention for which	an application:
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•	e/us on		
		having a Serial No	
was filed on. 10 No	v 2016, having an Intern	national Application No. PCT/EP2016/077244,	
therewith, based therec	on, or claiming priority th	other United States, foreign and international pater nerefrom including, but not limited to, any and all p ions-in-part, re-examinations, reissues, and extensi	provisionals, non-
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extent. Upon request a legal proceedings inclu	t the expense of the Assi ding patent prosecution convenient for securing	the Assignee to enjoy the foregoing right, title, an ignee, I/we agree to execute all papers, take all righ actions and infringement actions, and do all other s and maintaining patents on the foregoing invention	tful oaths, testify in all uch acts which may be
I/We certify that I/we h	ave the full right to conv	vey the above rights.	
03.14.20117	(sign name here)	Panel Millinghe:	Milladdi
Date	(print name here)	Pawel MICHALSKI	, Assignor
Date	(print name here)	Franciscus Johannes Gerardus HAKKENS	, Assignor
Date	(print name here)	Edward Theodorus Maria BERBEN	, Assignor
Date	(print name here)	Kevin Grayson WICKLINE	, Assignor
Date	(print name here)	Lucas Johannes Anna Maria BECKERS	, Assignor

Page 1 of 1

Peter DIRKSEN

(print name here)

Date

PATENT REEL: 045749 FRAME: 0406

, Assignor

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), 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	cecuted co	oncurrently herewith
	was	executed	by me/us on
	was	filed on.	, having a Serial No.
$\boxtimes$	was	filed on.	10 Nov 2016, having an International Application No. PCT/EP2016/077244,

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.

	(sign name here)	<u> </u>	
Date /6-//-20/	(print name here)	Pawel MALSKI	, Assignor
Date /	(print name here)	Jefanciscus Johannes Gerardus HAKKENS	, Assignor
Date	(print name here)	Edward Theodorus Maria BERBEN	, Assignor
Date	(print name here)	Kevin Grayson WICKLINE	, Assignor
Date	(print name here)	Lucas Johannes Anna Maria BECKERS	, Assignor
Date	(print name here)	Peter DIRKSEN	, Assignor

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,
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	was	executed by me/us on
	was	iled on, having a Serial No.
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I/We certify that I/we have the full right to convey the above rights.

	(sign name here)		
Date	(print name here)	Pawei MICHALSKI	, Assignor
Date	(priprokame here)	Franciscus Johannes Gerardus HAKKENS	, Assignor
<u>02-05-2018</u> Date	(physhame here)	Edward Theodorus Maria BERBEN	. Assignor
Louis	Construction of the control of the c		, a coorgan
Date	(print name here)	Kevin Grayson WICKLINE	, Assigner
Date	(print name here)	Lucas Johannes Anna Maria BECKERS	, Assignor
			:
Date	(print name here)	Peter DIRKSEN	, Assignor

Page 1 of 1

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), here and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips N.V a place of business at High Tech Campus 5,5656 AE, Eindhoven, the Netherlands, its successors, assigns, and lega representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:	, having
is executed concurrently herewith	
was executed by me/us on	
was filed on, having a Serial No.	
was filed on. 10 Nov 2016, having an International Application No. PCT/EP2016/077244,	
and all rights in and to said application, and all other United States, foreign and international patent applications as 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 claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on applications.	the right to
I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assign legal representatives.	
I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which recessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting thereto in the Assignee.	y in all nay be
I/We certify that I/we have the full right to convey the above rights.	
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Date (print name here) , Assignor Date (print name here) Franciscus Johannes Gerardus HAKKENS , Assignor Date Edward Theodorus Maria BERBEN (print name here) , Assignor <u>//- 6 - 2017</u> Date Kevin Grayson WICKLINE (print name here) , Assignor (print name here) Date Lucas Johannes Anna Maria BECKERS , Assignor Date (print name here) Peter DIRKSEN , Assignor

and assign, and tr a place of busines	ransfer the entire and exclusive ss at High Tech Campus 5,565	we acknowledge receipt, I/we as a below-named A right, title, and interest in the following to Konink AE, Eindhoven, the Netherlands, its successors, a tively "the Assignee") my/our invention for which	lijke Philips N.V., having assigns, and legal
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extent. Upon requestings	quest at the expense of the Assi s including patent prosecution : ble, or convenient for securing	the Assignee to enjoy the foregoing right, title, and gnee, I/we agree to execute all papers, take all righ actions and infringement actions, and do all other s and maintaining patents on the foregoing invention	tful oaths, testify in all uch acts which may be
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	(sign name here)		
Date	(print name here)	Pawel MICHALSKI	, Assignor
Date	(print name here)	Franciscus Johannes Gerardus HAKKENS	, Assignor
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Date	(print name here)	Kevin Grayson WICKLINE	, Assignor
Date	(print name here)	Lucas Johannes Anna Maria BECKERS	, Assignor

Page 1 of 1

PATENT REEL: 045749 FRAME: 0410

, Assignor

to

and assign, and trans	fer the entire and exclusive High Tech Campus 5,565	I/we acknowledge receipt, I/we as a below-named right, title, and interest in the following to Konink AE, Eindhoven, the Netherlands, its successors, tively "the Assignee") my/our invention for which	dijke Philips N.V., having assigns, and legal
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	(sign name here)		
Date	(print name here)	Pawel MICHALSKI	, Assignor
Date	(print name here)	Franciscus Johannes Gerardus HAKKENS	, Assignor
Date	(print name here)	Edward Theodorus Maria BERBEN	, Assignor
Date	(print name here)	Kevin Grayson WICKLINE	, Assignor
Date  A - Magaza 2011	(print name here)	Lucas Johannes Anna Maria BECKERS	, Assignor
Date 7/10/1	(print name here)	/ Percy DURKSEN	, Assignor

Page 1 of 1

**PATENT REEL: 045749 FRAME: 0411**