504558686 09/21/2017

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ALWIN ROGIER MARTIJN VERSCHUEREN	03/21/2016
JOLDERT MARIA BOERSMA	03/18/2016
KLAAS KOOIJKER	03/18/2016
GERTRUDE RIOETTE VAN DER KAMP	03/21/2016
YTSEN WIELSTRA	03/18/2016
PAULUS CORNELIS DUINEVELD	03/18/2016
FRANCISCUS MARIA JOHANNES VAN ROEMBURG	03/28/2016

#### **RECEIVING PARTY DATA**

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

## **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	15560315	

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	2015P00052WOUS
NAME OF SUBMITTER:	KATHLEEN A. ASHER
SIGNATURE:	/KATHLEEN A. ASHER/
DATE SIGNED:	09/21/2017

504558686 REEL: 043654 FRAME: 0502

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## **Total Attachments: 4**

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PATENT REEL: 043654 FRAME: 0503

Date

(print name here)

and assign, and transfer a place of business at H	the entire and exclusive r ligh Tech Campus 5,5656	we acknowledge receipt, I/we as a below-nan right, title, and interest in the following to Ko AE, Eindhoven, the Netherlands, its successo vely "the Assignee") my/our invention for wi	ninklijke Philips N.V., having ors, assigns, and legal
is executed concurre was executed by me	ently herewith Jus on		
	·	ving a Serial Notional Application No. PCT/EP2016/055618	
therewith, based thereo- provisionals divisions,	n, or claiming priority the continuations, continuation	her United States, foreign and international grefrom including, but not limited to, any and ns-in-part, re-examinations, reissues, and exteright, title, and interest in and to any and al	all provisionals, non- ensions thereof, and the right to
		officials in the United States and in any and the Assignee(s), for its sole use, and that of	*
extent. Upon request at legal proceedings include	the expense of the Assign ding patent prosecution ac convenient for securing a	he Assignee to enjoy the foregoing right, title nee, I/we agree to execute all papers, take all tions and infringement actions, and do all oth nd maintaining patents on the foregoing inve	rightful oaths, testify in all ner such acts which may be
I/We certify that I/we h	ave the full right to conve	y the above rights.	
March 21" 2016	(sign name here)	QQuila-	
Date	(print name here)	Alwin Rogier Martijn VERSCHUEREN	, Assignor
Date	(print name here)	Joidert Maria BOERSMA	, Assignor
Date	(print name here)	Kisas KOOUKER	, Assignor
Date	(print name here)	Gertrude Rioette VAN DER KAMP	, Assignor
Date	(print name here)	Yisen WIELSTRA	, Assignor
Date	(print name here)	Paulus Cornelis DUINEVELD	. Assignor

Franciscus Maria Johannes VAN

ROEMBURG

PATENT REEL: 043654 FRAME: 0504

, Assignor

Date

(print name here)

and assign, and transfer to a place of business at High	he entire and exclusive right gh Tech Campus 5,5656 AE,	cknowledge receipt, I/we as a below-name, title, and interest in the following to Ko. Eindhoven, the Netherlands, its successor "the Assignee") my/our invention for whether the Essignee is the Assignee.	ninklijke Philips N.V., having ors, assigns, and legal
is executed concurrer	ntly herewith		
was executed by me	us on		
	~	g a Serial No	
was filed on. 16 Mar	2016, having an Internation	al Application No. PCT/EP2016/055618	*
therewith, based thereon provisionals divisions, co	, or claiming priority therefro ontinuations, continuations-i	United States, foreign and international porn including, but not limited to, any and n-part, re-examinations, reissues, and extight, title, and interest in and to any and al	all provisionals, non- ensions thereof, and the right to
		cials in the United States and in any and Assignee(s), for its sole use, and that of	_
extent. Upon request at legal proceedings includ	the expense of the Assignee, ing patent prosecution action	Assignce to enjoy the foregoing right, title I/we agree to execute all papers, take all is and infringement actions, and do all other maintaining patents on the foregoing investigation.	rightful oaths, testify in all her such acts which may be
I/We certify that I/we ha	ve the full right to convey th	e above rights.	
	(sign name here)		
Date	(print name here)	Alwin Rogier Martijn	, Assignor
10	Through	VERSCHUEREN	
Date (2010)	(print name here)	JANA Juliert Maria BOERSMA	, Assignor
		A STATE OF THE PROPERTY OF THE	, resignor
<u>/ (0 - 03 - 20 / 6</u> Date	(print name here)	Kiaas KOOLJKER	, Assignor
21-03-2016	C. n. How Value	1211LA	,
Date	(print name here)	Gertrude Rioeste VAN DER KAMP	
Date //-07-2018	(print name here)	Visen WIELSTRA	Assignor
Date	(print name here)	Paulus Cornelis DUINEVELD	, Assignor

Franciscus Maria Johannes VAN

ROEMBURG

PATENT REEL: 043654 FRAME: 0505

Assignor

### U.S.A. Sole/Joint

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	ecuted c	oncurrently herewith
	was	executed	by me/us on
	was	filed on.	, having a Serial No
$\boxtimes$	was	filed on.	16 Mar 2016, having an International Application No. PCT/EP2016/055618,

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)		
Date	(print name here)	Alwin Rogier Martijn VERSCHUEREN	, Assignor
Date	(print name here)	Joldert Maria BOERSMA	, Assignor
Date	(print name here)	Klaas KOOLJKER	, Assignor
Date	(print name here)	Gertrude Rioette VAN DER KAMP	, Assignor
18/3/2010 Date	(print name here)	Ytsén WIELSTRA	, Assignor
Date	(print name here)	Paulus Cornelis DUINEVELD	, Assignor
Date	(print name here)	Franciscus Maria Johannes VAN ROEMBURG	, Assignor

PATENT REEL: 043654 FRAME: 0506

and assign, and tra a place of business	nsfer the entire and exclusive ri at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-naight, title, and interest in the following to KAE, Eindhoven, the Netherlands, its successely "the Assignce") my/our invention for v	Coninklijke Philips N.V., having sors, assigns, and legal
was filed on	y me/us on, ha	ving a Serial No	
and all rights in an therewith, based th provisionals divisi	d to said application, and all othereon, or claiming priority thereons, continuations, continuation	ional Application No. PCT/EP2016/0556; her United States, foreign and international efrom including, but not limited to, any ans-in-part, re-examinations, reissues, and earight, title, and interest in and to any and	I patent applications associated id all provisionals, non- xtensions thereof, and the right to
	Patent when granted, solely to	officials in the United States and in any an the Assignee(s), for its sole use, and that o	·-
extent. Upon requiregal proceedings inecessary, desirabithereto in the Assi	est at the expense of the Assign including patent prosecution ac- le, or convenient for securing an gnee.	ne Assignee to enjoy the foregoing right, the nee, I/we agree to execute all papers, take a tions and infringement actions, and do all ond maintaining patents on the foregoing in	oll rightful oaths, testify in all other such acts which may be
ii we certify that ii	we have the full right to conve	y the acove rights.	
Date	(sign name here) (print name here)	Alwin Rogier Martijn VERSCHUEREN	, Assignor
Date	(print name here)	Joidert Maria BOERSMA	, Assignor
Date	(print name here)	Klaas KOOIJKER	, Assignor
Date	(print name here)	Gertrude Riocite VAN DER KAMP	. Assignor
Date	(print name here)	Ytsen WIELSTRA	, Assignor
Date	(print name here)	Paulus Cornelis DUINEVELD	, Assignor
Date 2.0 - 0 3 - 2.0	(print name here) 7/6 そのスマル ねめの	Franciscus Maria Johannes VAN	

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