503864406 06/09/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3911055

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
IRINA WAECHTER-STEHLE	06/09/2016
SABINE MOLLUS	01/27/2015
CHRISTIAN BUERGER	01/26/2015
EMIL GEORGE RADULESCU	06/08/2016
SHENG-WEN HUANG	01/02/2015
JUERGEN WEESE	01/28/2015

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:	15103053	

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:	2013P00788WOUS
NAME OF SUBMITTER:	CHRISTOPHER L. KUYPER
SIGNATURE:	/Christopher L. Kuyper/
DATE SIGNED:	06/09/2016

PATENT REEL: 038862 FRAME: 0798 503864406

Total Attachments: 6 source=Assignments#page1.tif source=Assignments#page2.tif source=Assignments#page3.tif source=Assignments#page4.tif source=Assignments#page5.tif source=Assignments#page6.tif

PATENT REEL: 038862 FRAME: 0799

U.S.A. Sole/Joint

ASSIGNMENT

		e acknowledge receipt, I we as a below- ght, title, and interest in the following to	
		AE, Eindhoven, the Netherlands, its succ	
-	· ·	ely "the Assignee") my/our invention fo	· ·
is executed cor	ncurrently herewith		
was executed b	y me ^s us on	***************************************	
was filed on	, hav	ing a Serial No	***************************************
was filed on. 0	5 Dec 2014, having an Internation	onal Application No. PCT/IB2014/0666	18,
and all rights in an	d to said application, and all oth	er United States, foreign and internation	al patent applications associated
therewith, based th	nereon, or claiming priority there	efrom including, but not limited to, any a	and all provisionals, non-
provisionals divisi	ons, continuations, continuation	s-in-part, re-examinations, reissues, and	extensions thereof, and the right to
claim priority there applications.	eto, and the entire and exclusive	right, title, and interest in and to any an	d all patents granted on these
	Patent when granted, solely to	officials in the United States and in any a the Assignee(s), for its sole use, and that	*
extent. Upon requiegal proceedings	test at the expense of the Assign including patent prosecution act le, or convenient for securing ac	e Assignee to enjoy the foregoing right, ee, I/we agree to execute all papers, take ions and infringement actions, and do al id maintaining patents on the foregoing i	all rightful oaths, testify in all lother such acts which may be
I'We certify that I	we have the full right to convey	the above rights.	
9, 6, 70/6 Date	(sign name here) (print name here)). Walker – Sello Irina Waechter-Stehle	, Assignor
Date	(print name here)	Sabine MOLLUS	, Assignor
Date	(print name here)	Christian BUERGER	, Assignor
Date	(print name here)	Emil George RADULESCU	, Assignor
Date	(print name here)	Sheng-Wen HUANG	, Assignor
Date	(print name here)	Juergen WEESE	, Assignor

and assign, and tra a place of business	nsfer the entire and exclusive r at High Tech Campus 5,5656	we acknowledge receipt, I/we as a belowight, title, and interest in the following to AE, Eindhoven, the Netherlands, its succeely "the Assignee") my/our invention for	Koninklijke Philips N.V., having eessors, assigns, and legal
was executed b	ocurrently herewith by me⁄us on, ha	ving a Serial No.	
		ional Application No. PCT/IB2014/0666	
therewith, based the provisionals divisionals	ereon, or claiming priority the ons, continuations, continuations	ther United States, foreign and internation refrom including, but not limited to, any a ns-in-part, re-examinations, reissues, and re right, title, and interest in and to any an	and all provisionals, non- extensions thereof, and the right to
	Patent when granted, solely to	officials in the United States and in any a the Assignee(s), for its sole use, and that	
extent. Upon requ legal proceedings i	est at the expense of the Assign including patent prosecution ac ie, or convenient for securing a	he Assignee to enjoy the foregoing right, nee, I/we agree to execute all papers, take tions and infringement actions, and do al nd maintaining patents on the foregoing	e all rightful oaths, testify in all I other such acts which may be
I/We certify that I/	we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Irina WAECHTER-STEHLE	, Assignor
23/04/204 Date	(print name here)	Sabine MOLLUS	, Assignor
	•		
Date	(print name here)	Christian BUERGER	, Assignor
Date	(print name here)	Emil George RADULESCU	, Assignor
Date	(nrint name here)	Sheng-Wen HUANG	. Assignor

Juergen WEESE

(print name here)

Date

, Assignor

U.S.A. Sole/Joint

ASSIGNMENT

and assign, and transf a place of business at	er the entire and exclusive ri High Tech Campus 5,5656 /	e acknowledge receipt, I/we as a below- ght, title, and interest in the following to AE, Eindhoven, the Netherlands, its succeify "the Assignee") mylour invention for	Koninklijke Philips N.V., having cessors, assigns, and legal
was filed on	nešus on, hav	ing a Serial No	
therewith, based there provisionals divisions	on, or claiming priority there, continuations, continuations,	er United States, foreign and internation of from including, but not limited to, any s-in-part, re-examinations, reissues, and right, title, and interest in and to any an	and all provisionals, non- l extensions thereof, and the right to
		officials in the United States and in any the Assignee(s), for its sole use, and that	**
extent. Upon request legal proceedings inc	at the expense of the Assign- luding patent prosecution act or convenient for securing an	e Assignee to enjoy the foregoing right, ee, I/we agree to execute all papers, take ions and infringement actions, and do al d maintaining patents on the foregoing	e all rightful oaths, testify in all
I/We certify that I/we	have the full right to convey	the above rights.	
	(sign name here)		
Date	(print name here)	Irina WAECHTER-STEHLE	, Assignor
Date	(print name here)	Sabine MOLIAS	, Assignor
Date V	(print name here)	Christian BUEBGEN	, Assignor
Date	(print name here)	Emil George RADULESCU	
Date	(print name here)	Sheng-Wen HUANG	s. Assignor

Page 1 of 1

Juergen WEESE

(print name here)

Date

, Assignor

and assign, and transfer a place of business at H	the entire and exclusive r igh Tech Campus 5,3656	we acknowledge receipt, I/we as a below ight, title, and interest in the following to AE, Eindhoven, the Netherlands, its sucycly "the Assignee") my/our invention f	o:Koninklijke Philips N.V., having cessors, assigns, and legal
is executed concurr	intly herewith		
	Ais on		
		ving a Serial No	
🔀 was filed on, 05 Des	: 2014, having an Internat	ional Application No. PCT/182014/066	618,
and all rights in and to s	said application, and all ot	her United States, foreign and internatio	hal patent applications associated
		refrom including, but not limited to, any	· ·
	nd the entire and exclusiv	ns-in-part, re-examinations, reissues, an e right, title, and interest in and to any a	
legal representatives. I/We will provide my/o extem. Upon request a legal proceedings inclu	ur cooperation to enable to the expense of the Assign ting patent prosecution ac convenient for securing a	the Assignee(s), for its sole use, and the he Assignee to enjoy the foregoing right nee. I'we agree to execute all papers, tak tions and infringement actions, and do and maintaining patents on the foregoing	, title, and interest to the fullest e all rightful caths, testify in all Il other such acts which may be
VWe certify that I/we h	ave the full right to conve	y the above rights.	
	(sign name here)		
Dale	(print name here)	Irins WAECHTER STEHLE	, Assignor
Dite	(print name here)	Sabine MOLLUS	, Assignor
Date	(print name here)	Christian BUENGER	, Assignor
<u>vassa 8,2016 </u>	Exas / Ros Isi /	Emil Contact HADIOLESCO	, Assignor
Date	(print name here)	Shong-Wen HUANG	, Assignor

Page 1 of 1

Juergen WEESE

(print name here)

Date

, 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	xecuted co	oncurrently herewith
	was	executed	by me'us on
	was	filed on.	, having a Serial No.
\boxtimes	was	filed on.	05 Dec 2014, having an International Application No. PCT/IB2014/066618,

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)	Irina WAECHTER-STEHLE	, Assignor
Date	(print name here)	Sabine MOLLUS	Assignor
Date	(print name here)	Christian BUERGER	, Assignor
Date	(print name here)	Emil George RADULESCU	, Assignor
02/01/2015 Date	(print name here)	Sheng-Wen HUANG	, Assignor
Date	(print name here)	Juergen WEESE	, Assignor

		we acknowledge receipt, I/we as a below-r	
•••		ight, title, and interest in the following to	
		AE, Eindhoven, the Netherlands, its succe	•
representatives, i	including any nominees (collecti-	vely "the Assignee") my/our invention for	which an application:
is executed or	oncurrently herewith		
was executed	by me/us on		
was filed on.	, ha	ving a Serial No.	***********
was filed on.	05 Dec 2014 , having an Internat	ional Application No. PCT/IB2014/06661	8,
and all rights in a	and to said application, and all ot	her United States, foreign and internations	al patent applications associated
therewith, based	thereon, or claiming priority the	refrom including, but not limited to, any a	nd all provisionals, non-
provisionals divi	sions, continuations, continuation	ns-in-part, re-examinations, reissues, and e	extensions thereof, and the right to
claim priority the	ereto, and the entire and exclusiv	e right, title, and interest in and to any and	all patents granted on these
applications.			
VWe authorize a	nd request that the Patent Office	officials in the United States and in any a	ad all foreign countries to issue
	•	the Assignee(s), for its sole use, and that	
legal representati	ives.		
extent. Upon reclegal proceeding	quest at the expense of the Assign s including patent prosecution ac able, or convenient for securing a	he Assignee to enjoy the foregoing right, t nee, I/we agree to execute all papers, take tions and infringement actions, and do all nd maintaining patents on the foregoing in	all rightful oaths, testify in all other such acts which may be
I/We certify that	I/we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Irina WAECHTER-STEHLE	, Assignor
Date	(print name here)	Sabine MOLLUS	, Assignor
Date	(print name here)	Christian BUERGER	Αροίονος
Date	(hun pame nece)	Cansolan overveer	, Assignor
Date	(print name here)	Emil George RADULESCU	, Assignor
Date	(print name here)	Sheng-Wen HUANG	, Assignor
84100,000	arren.	7- 100	

Page 1 of 1

PATENT REEL: 038862 FRAME: 0805

, Assignor

(print name here)