# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

Stylesheet Version v1.2

EPAS ID: PAT4790269

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
PINGKUN YAN	07/18/2016
JOCHEN KRUECKER	07/18/2016
WEI LIN	08/17/2016
SCOTT FREDERIC THOMPSON	08/16/2016

## **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:	15747161

## **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

**Email:** babbette.freeman@Philips.com

Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

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Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2015P00940WOUS
NAME OF SUBMITTER:	FRANK J. KEEGAN
SIGNATURE:	/Frank J. Keegan/
DATE SIGNED:	01/24/2018

**Total Attachments: 4** 

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PATENT REEL: 044709 FRAME: 0874

	И.
and assign, and transfer the entire and exclusive right, title, and interest in the following to Konniklijke Philips N.V., ha	mg
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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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.

If We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to usually 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 Assigned to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assigned. I we agree to execute all papers, take all rightful oaths, testify in all local 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 theorem in the Assigned.

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

7/k//b	(sign name here)	Fingken VAN	X-1-2
Date	(pass name here)	Jochen KHUECKER	Assignor Assignor
Usee	(print name here)	Scott Frederic THOMPSON	Assignor
Date	(print name here)	WeiLIN	Assignor
Date	(print name here)	Samuel COONS	Asserte

Page 1 of 1

and assign, and trans a place of business a	fer the entire and exclusive rit t High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-namight, title, and interest in the following to KorAE, Eindhoven, the Netherlands, its successorely "the Assignee") my/our invention for whose the statement of the successory of the Assignee in the successory of	ninklijke Philips N.V., having ors, assigns, and legal
is executed concu	-		
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therewith, based then provisionals division	reon, or claiming priority theres, continuations, continuations	her United States, foreign and international parefrom including, but not limited to, any and ans-in-part, re-examinations, reissues, and exter right, title, and interest in and to any and all	all provisionals, non- ensions thereof, and the right to
	atent when granted, solely to	officials in the United States and in any and a the Assignee(s), for its sole use, and that of i	<del>-</del>
extent. Upon reques legal proceedings ind necessary, desirable, thereto in the Assign	t at the expense of the Assign cluding patent prosecution ac or convenient for securing a	ne Assignee to enjoy the foregoing right, title nee, I/we agree to execute all papers, take all stions and infringement actions, and do all other and maintaining patents on the foregoing inverted the above rights.	rightful oaths, testify in all er such acts which may be
	(sign name here)		
Date	(print name here)	Pingkun YAN	, Assignor
7/18/2016	(print mano noto)	Joelen Under	, 1150151101
Date	(print name here)	Jochen KRUECKER	, Assignor
Date	(print name here)	Scott Frederic THOMPSON	, Assignor
Date	(print name here)	Wei LIN	, Assignor

Samuel COONS

(print name here)

Date

, Assignor

		we acknowledge receipt, I/we as a below	
and assign, and tr	ransfer the entire and exclusive r	ight, title, and interest in the following to	Koninklijke Philips N.V., having
		AE, Eindhoven, the Netherlands, its succ	
representatives, in	ncluding any nominees (collecti	vely "the Assignee") my/our invention fo	or which an application:
is executed co	encurrently herewith		
was executed	by me/us on		
was filed on	, ha	ving a Serial No	
was filed on. 1	18 Jul 2016, having an Internati	onal Application No. PCT/IB2016/0542	59,
and all rights in a	nd to said application, and all of	her United States, foreign and internation	nal patent applications associated
therewith, based t	thereon, or claiming priority the	refrom including, but not limited to, any	and all provisionals, non-
provisionals divis	tions, continuations, continuatio	ns-in-part, re-examinations, reissues, and	extensions thereof, and the right to
claim priority the	reto, and the entire and exclusiv	e right, title, and interest in and to any an	id all patents granted on these
applications.			
I/We authorize an	id request that the Patent Office	officials in the United States and in any	and all foreign countries to issue
		the Assignee(s), for its sole use, and that	•
legal representativ	ves.		
I/We will provide	my/our cooperation to enable t	he Assignee to enjoy the foregoing right,	title, and interest to the fullest
	•	nee, I/we agree to execute all papers, take	
•		tions and infringement actions, and do al	,
necessary, desirat	ole, or convenient for securing a	nd maintaining patents on the foregoing	invention or for perfecting title
thereto in the Ass	ignee.		
I/We certify that I	I/we have the full right to conve	u the above rights	
n tra county unit	a wo may o mo tan rigar to conve	y me above rigme.	
VV	(sign name here)		
Date	(print name here)	Pingkun YAN	, Assignor
Date	(print name here)	Jochen KRUECKER	, Assignor
		C C D D. SEVECENNESSEN	
Date	(print name here)	Scott Frederic THOMPSON	, Assignor
8/17/20	1/6 <u>WeiZia</u> (print name here)	33/-2 7 8 80	A
Date	(pain name nere)	Wei Lin	, Assignor
Date	(print name here)	Samuel COONS	, Assignor

Page 1 of 1

and assign, and tra a place of business	unsfer the entire and exclusive s at High Tech Campus 5,5656	/we acknowledge receipt, I/we as a belowing the following that title, and interest in the following to AE, Eindhoven, the Neiherlands, its suctively "the Assignee") my/our invention to the firm of the Assignee (as invention to the firm of the Assignee).	to Koninklijke Philips N.V., having xessors, assigns, and legal
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was filed on	y 21367 03 Ost	aving a Serial No.	
was filed on. 1	8 Jul 2016, having an Internat	ional Application No. PCT/IB2016/054	259,
provisionals divisionals	ereon, or claiming priority the ons, continuations, continuation	other United States, foreign and internation erefrom including, but not limited to, any ons-in-part, re-examinations, reissues, and we right, title, and interest in and to any a	and all provisionals, non- d extensions thereof, and the right to
I/We authorize and any and all Letters legal representative	Patent when granted, solely to	officials in the United States and in any the Assignee(s), for its sole use, and the	and all foreign countries to issue it of its successors, assigns, and
extent. Upon reque legal proceedings in	est at the expense of the Assign acluding patent prosecution as e, or convenient for securing a	the Assignee to enjoy the foregoing right, nee, I/we agree to execute all papers, take tions and infringement actions, and do a and maintaining patents on the foregoing	e all rightful oaths, testify in all
I/We certify that I/\	we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Pingkun YAN	, Assignor
Date	(print name here)	Jochen KRUECKER	, Assignor
<i>6 AV 6 20/6</i> Date	Scott Thompson	5770 mg 822-	
Date	Scott Thompson (print name here)	Scott Frederic THOMPSON	, Assignor
Date	(print name here)	Wei EIN	, Assignor
Date	(print name here)	Samuel COONS	, Assignor

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PATENT REEL: 044709 FRAME: 0878

**RECORDED: 01/24/2018**