PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FRANK MICHAEL WEBER	03/22/2017
NIELS NIJHOF	03/27/2017
IRINA WAECHTER-STEHLE	05/23/2017
JUERGEN WEESE	03/23/2017

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:	16088466

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:	2015P01747WOUS
NAME OF SUBMITTER:	MARIANNE FOX
SIGNATURE:	/marianne fox/
DATE SIGNED:	09/26/2018

Total Attachments: 4

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PATENT REEL: 046970 FRAME: 0471

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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
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 executed by me/us on
	was filed on, having a Serial No
\boxtimes	was filed on. 22 Mar 2017, having an International Application No. PCT/EP2017/056749,

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.

2017-03-22	(sign name here)	FOR	
Date	(print name here)	Frank Michael WEBER	, Assignor
Date	(print name here)	Niels NIJIIOF	, Assignor
Date	(print name here)	Irina WAECHTER-STEHLE	, Assignor
Date	(print name here)	Juergen WEESE	. Assignor

Page 1 of 1

		ve acknowledge receipt, I/we as a below- ight, title, and interest in the following to	*
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-	-	AE, Eindhoven, the Netherlands, its succ	* *
representatives, including	ig any nominees (conecu-	ely "the Assignee") my/our invention fo	r which an application:
is executed concurre	mily herewith		
was executed by me	/as on		
was filed on	, ha	ving a Serial No.	
was filed on. 22 Ma	r 2017, having an Internal	ional Application No. PCT/EP2017/056	749,
and all rights in and to s	aid application, and all ot	her United States, foreign and internation	sal patent applications associated
therewith, based thereon	ı, or claiming priority the	efrom including, but not limited to, any :	and all provisionals, non-
provisionals divisions, o	continuations, continuation	ns-in-part, re-examinations, reissues, and	extensions thereof, and the right to
claim priority thereto, a	nd the entire and exclusive	e right, title, and interest in and to any an	d all patents granted on these
applications.			
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legal representatives.			
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-		ne Assignee to enjoy the foregoing right,	
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D We certify that DWC to	ave me run rigin to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Frank Michael WEBER	Assignor
27-03-2017	N. NIJHOF		A CONTRACTOR OF THE PARTY OF TH
Date	(print name here)	Niels NIJHOF	, Assignor
Date	(print name here)	Irina WAECHTER-STEHLE	, Assignor
Date	(print name here)	Juergen WEESE	, Assignor
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Page 1 of 1

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

and assign, and trai	nsfer the entire and exclusive	right, title, and interest in the following to AE, Eindhoven, the Netherlands, its succe	Koninklijke Philips N.V., having
representatives, inc	luding any nominees (collecti	vely "the Assignee") my/our invention for	r which an application:
is executed conc	currently herewith		
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was filed on	,, he	iving a Serial No	********
		tional Application No. PCT/EP2017/056	
and all rights in and	I to said application, and all o	ther United States, foreign and internation	al patent applications associated
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claim priority there applications.	to, and the entire and exclusiv	e right, title, and interest in and to any and	I all patents granted on these
any and all Letters is legal representative I/We will provide nextent. Upon reque legal proceedings in necessary, desirable thereto in the Assig	Patent when granted, solely to is. my/our cooperation to enable t est at the expense of the Assig acluding patent prosecution ac e, or convenient for securing a	officials in the United States and in any at the Assignee(s), for its sole use, and that he Assignee to enjoy the foregoing right, the nee, I/we agree to execute all papers, take tions and infringement actions, and do all and maintaining patents on the foregoing in the the showe rights.	of its successors, assigns, and fittle, and interest to the fullest all rightful oaths, testify in all other such acts which may be
F5 .	(sign name here)		
Date	(print name here)	Frank Michael WEBER	, Assignor
Date	(print name here)	Niels NIJHOF	, Assignor
23,5,200	,	J. War Wev- Held	, a socialistica
Date	(print name here)	Irins WAECHTER-STEHLE	, Assignor
Date	(print name here)	Juergen WEESE	, Assignor

Page 1 of 1

For good and valuable	consideration, of which I/v	ve acknowledge receipt, I/we as a below	-named Assignor(s), hereby sell,
		ight, title, and interest in the following to	
•	•	AE, Eindhoven, the Netherlands, its suc	
representatives, includ	ing any nominees (collectiv	vely "the Assignee") my/our invention for	or which an application:
is executed concurr	ently harawith		
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apparations.			
VWe authorize and rec	juest that the Patent Office	officials in the United States and in any	and all foreign countries to issue
any and all Letters Pat	ent when granted, solely to	the Assignee(s), for its sole use, and that	at of its successors, assigns, and
legal representatives.			
• •	2	he Assignee to enjoy the foregoing right	
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thereto in the Assigned	-	nd maintaining patents on the foregoing	invention of for perfecting thie
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I/We certify that I/we	have the full right to conve	y the above rights.	
·	-		
	(sign name here)		
Date	(print name here)	Frank Michael WEBER	, Assignor
**************************************	(anist sama kana)	Niels NIJHOF	Agriconer
Date	(print name here)	147659 148012728.	, Assignor
Date	(print name here)	Irina WAECHTER-STEHLE	
23/03/2017	· ·	"In David	.
Date	(print name here)	Juergen WIESE	, Assignor

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