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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4562341

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TEUN VAN DEN HEUVEL	03/15/2016
ADRIENNE HEINRICH	04/11/2016
THOMAS FALCK	03/15/2016
ESTHER MARJAN VAN DER HEIDE	03/15/2016
HARALD GREINER	03/15/2016

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:	15552906

CORRESPONDENCE DATA

Fax Number: (914)332-0615

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.

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Email: jaclyn.busta@philips.com

Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

Address Line 1: 465 COLUMBUS AVENUE

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Address Line 4: VALHALLA, UNITED STATES 98105-4608

ATTORNEY DOCKET NUMBER:	2015P00093WOUS
NAME OF SUBMITTER:	THOMAS M. LUNDIN
SIGNATURE:	/Thomas M. Lundin/
DATE SIGNED:	08/23/2017

Total Attachments: 4

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PATENT REEL: 043368 FRAME: 0941

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
s 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.

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.

was filed on. 15 Mar 2016, having an International Application No. PCT/EP2016/055483,

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.

15 MAR 2016	(sign name here)		
Date	(print name here)	Teur YANDEN HEUVEL	, Assignor
Date	(print name here)	Yingrong XIE	, Assignor
Date	(print name here)	Adrienne HEINRICH	, Assignor
Date	(print name here)	Thomas FALCK	, Assignor
Date	(print name here)	Esther Marjan VAN DER HEIDE	, Assignor
Date	(print name here)	Harald GREINER	, Assignor

Page 1 of 1

Date

Date

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		ght, title, and interest in the following t	
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representatives, includi	ng any nonunees (conecuv	ely "the Assignee") my/our invention f	ог winch an аррисацоп.
is executed concurre	ently herewith		
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		ring a Serial No.	
		ional Application No. PCT/EP2016/05	
		• •	
and all rights in and to s	said application, and all ot	ner United States, foreign and internatio	onal patent applications associated
therewith, based thereon	n, or claiming priority ther	efrom including, but not limited to, any	and all provisionals, non-
provisionals divisions,	continuations, continuation	is-in-part, re-examinations, reissues, an	d extensions thereof, and the right to
claim priority thereto, a	and the entire and exclusive	right, title, and interest in and to any a	nd all patents granted on these
applications.			
3		officials in the United States and in any	•
•	nt when granted, solely to	the Assignee(s), for its sole use, and the	at of its successors, assigns, and
legal representatives.			
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thereto in the Assignee.	*	an international fractions are the international	, and the same processing arms
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I/We certify that I/we h	ave the full right to conve	the above rights.	
	(sign name here)		
Date	(print name here)	Teun VAN DEN HEUVEL	, Assignor
Date	(print name here)	Yingrong XIE	, Assignor
April 11,2016		4 14-	
Date	(print name here)	Adrienne HEINRICH	, Assignor
Date	(print name here)	Thomas FALCK	, Assignor
	"The same section was all		y

Page 1 of 1

Harald GREINER

(print name here)

(print name here)

Esther Marjan VAN DER HEIDE

PATENT REEL: 043368 FRAME: 0943

, Assignor

, Assignor

U.S.A. Sole/Joint

ASSIGNMENT

and assign, and transfe a place of business at I	r the entire and exclusive rig High Tech Campus 5,5656 A	e acknowledge receipt, I/we as a beloght, title, and interest in the following AE, Eindhoven, the Netherlands, its suely "the Assignee") my/our invention	to Koninklijke Philips N.V., having ccessors, assigns, and legal
was filed on	e/us on, hav	ing a Scrial Noonal Application No. PCT/EP2016/0	
therewith, based thereo provisionals divisions,	on, or claiming priority there continuations, continuations	er United States, foreign and internati efrom including, but not limited to, an s-in-part, re-examinations, reissues, a right, title, and interest in and to any	y and all provisionals, non- nd extensions thereof, and the right to
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	(sign name here)		
Date	(print name here)	Teun VAN DEN HEUVEL	, Assignor
Date	(print name here)	Yingrong XIE	, Assignor
Date 15.00. Qu16	(print name here)	Adrienne HEINRICH	, Assignor
Date	(print name here)	Thomas FALCK	, Assignor

Harald GREINER

(print name here)

(print name here)

Date

Esther Marjan VAN DER HEIDE

, Assignor

, Assignor

and assign, and a place of busine	transfer the entire and exclusive ess at High Tech Campus 5,565	I/we acknowledge receipt, I/we as a below- e right, title, and interest in the following to 56 AE, Eindhoven, the Netherlands, its succeptively "the Assignee") my/our invention for	Koninklijke Philips N.V., havi essors, assigns, and legal	i, ng
	concurrently herewith			
was executed	f by me/us on	******************************		
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I/We authorize as any and all Letter legal representati	rs Patent when granted, solely t	e officials in the United States and in any art to the Assignee(s), for its sole use, and that	nd all foreign countries to issue of its successors, assigns, and	
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PATENT RECORDED: 08/23/2017 REEL: 043368 FRAME: 0945