PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5115245

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARCUS SCHWENK	07/17/2017
ALEXANDER DUBIELCZYK	08/19/2018
HARALD GREINER	08/15/2018

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:	16080696

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: jaclyn.busta@philips.com

PHILIPS INTELLECTUAL PROPERTY & STANDARD **Correspondent Name:**

Address Line 1: **465 COLUMBUS AVENUE**

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VALHALLA, NEW YORK 10595 Address Line 4:

ATTORNEY DOCKET NUMBER:	2015P01443WOUS
NAME OF SUBMITTER:	THOMAS M. LUNDIN
SIGNATURE:	/Thomas M. Lundin/
DATE SIGNED:	08/29/2018

Total Attachments: 3

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PATENT REEL: 046733 FRAME: 0947 505068489

and assign, and transfer a place of business at H	the entire and exclusive rightigh Tech Campus 5,5656 AF	acknowledge receipt, I/we as a below at, title, and interest in the following to E, Eindhoven, the Netherlands, its suc y "the Assignee") my/our invention to	to Koninklijke Philips N.V., h ccessors, assigns, and legal	
is executed concurre	ently herewith			
was filed on	, havin	g a Serial No		
was filed on. 16 Ma	r 2017, having an Internation	nal Application No. PCT/EP2017/05	; 6189 ,	
therewith, based thereon provisionals divisions, o	a, or claiming priority thereforentinuations, continuations.	r United States, foreign and internation including, but not limited to, any in-part, re-examinations, reissues, and interest in and to any a	and all provisionals, non- dextensions thereof, and the r	ight to
		ficials in the United States and in any e Assignee(s), for its sole use, and the		
extent. Upon request at legal proceedings include	the expense of the Assignee	Assignee to enjoy the foregoing right, I'we agree to execute all papers, tak and infringement actions, and do a maintaining patents on the foregoing	te all rightful oaths, testify in a all other such acts which may b	di se
I/We certify that I/we ha	ave the full right to convey th	ne above rights.		
<u>ling 17-jul-2017</u> Date	(sign name here) MARCUS SCAWENK (print name here)	A Schwenk Mateus SCHWENK	, Assignor	
		4 0		
Date	(print name here)	Alexander BUBIELCZYK	, Assignor	

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PATENT REEL: 046733 FRAME: 0948 For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

a place of business	at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its	
representatives, incl	luding any nominees (collecti	vely "the Assignee") my/our invention	on for which an application:
is executed conc	•		
	/ me/us on		
		iving a Serial No	
⊠ was filed on. 16	Mar 2017, having an Interns	tional Application No. PCT/EP2017	/056189,
and all rights in and	to said application, and all o	ther United States, foreign and interna	ational patent applications associated
therewith, based the	ereon, or claiming priority the	refrom including, but not limited to,	any and all provisionals, non-
provisionals divisio	ens, continuations, continuation	ons-in-part, re-examinations, reissues,	and extensions thereof, and the right to
claim priority there applications.	to, and the entire and exclusiv	ve right, title, and interest in and to an	y and all patents granted on these
	Patent when granted, solely to	officials in the United States and in a the Assignec(s), for its sole use, and	,
extent. Upon reque legal proceedings in	est at the expense of the Assign neluding patent prosecution are, or convenient for securing a	the Assignee to enjoy the foregoing rignee. I/we agree to execute all papers, ctions and infringement actions, and cand maintaining patents on the forego	take all rightful oaths, testify in all lo all other such acts which may be
I/We certify that I/v	we have the full right to conve	ey the above rights.	
	(sign name here)		
Date	(print name here)	Marcus SCHWENK	, Assignor
14-12-2011		hal wh	
Date	(print name here)	Alexander DUBIKLCZYK	, Assignor

Page 1 of 1

Harald GREINER

(print name here)

Date

, Assignor

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

		E, Eindhoven, the Netherlands, its suc lly "the Assignee") my/our invention fo	
is executed concurre	ntly herewith		
	us on		
		ng a Serial No.	
		onal Application No. PCT/EP2017/05	
and all rights in and to s	aid application, and all othe	or United States, foreign and internatio	nal patent applications associated
therewith, based thereon	, or claiming priority therei	from including, but not limited to, any	and all provisionals, non-
provisionals divisions, c	ontinuations, continuations	-in-part, re-examinations, reissues, and	extensions thereof, and the right to
claim priority thereto, an	id the entire and exclusive i	right, title, and interest in and to any ar	nd all patents granted on these
applications.			
		ficials in the United States and in any ac Assignec(s), for its sole use, and tha	
extent. Upon request at legal proceedings includ	the expense of the Assigneding patent prosecution action	Assignee to enjoy the foregoing right, e. I'we agree to execute all papers, takens and infringement actions, and do al 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 ha	ve the full right to convey t	he above rights.	
	(sign name here)		
Date	(print name here)	Marcus SCHWENK	, Assignor
Date	(print name here)	Alexander DUBIELCZYK	
Daic	(bune usine nere)	AISSESUR DODIEDULIA	, Assignor
15-Aun-2018	Hardd Greinen	Tadd Greise Harald GREINER	
Date 7	(print name here)	Harald GREINER	, Assignor
		Page 1 of 1	

PATENT REEL: 046733 FRAME: 0950