PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4878296

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROGER STEADMAN BOOKER	03/06/2018
EWALD ROESSL	03/08/2018
HEINER DAERR	03/04/2018

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:	15762160

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**

Address Line 2: SUITE 340

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2015P01220WOUS
NAME OF SUBMITTER:	DOUGLAS B. MCKNIGHT
SIGNATURE:	/Douglas B. McKnight/
DATE SIGNED:	03/22/2018

Total Attachments: 3

source=2015P01220WOUS_ExecutedAssignment#page1.tif source=2015P01220WOUS_ExecutedAssignment#page2.tif source=2015P01220WOUS ExecutedAssignment#page3.tif

PATENT REEL: 045312 FRAME: 0863 504831559

For good and valuable	consideration, of which I/v	ve acknowledge receipt, I/we as a below-	named Assignor(s), hereby sell,
and assign, and transfe	er the entire and exclusive r	ght, 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 succ	cessors, assigns, and legal
representatives, includ	ling any nominees (collectiv	vely "the Assignee") my/our invention for	or which an application:
is executed concur	rently herewith		
was executed by n	ne/us on	***************************************	
was filed on	, ha	ving a Serial No	
was filed on. 11 O	et 2016, having an Internati	onal Application No. PCT/EP2016/074	325,
and all rights in and to	said application, and all ot	her United States, foreign and internation	nal patent applications associated
therewith, based there	on, or claiming priority the	refrom including, but not limited to, any	and all provisionals, non-
provisionals divisions	, continuations, continuation	ns-in-part, re-examinations, reissues, and	extensions thereof, and the right to
claim priority thereto, applications.	and the entire and exclusive	e right, title, and interest in and to any an	id all patents granted on these
		officials in the United States and in any	
	ient when granied, solely to	the Assignee(s), for its sole use, and that	or its successors, assigns, and
legal representatives.			
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	
legal proceedings incl	uding patent prosecution ac	tions and infringement actions, and do al	il other such acts which may be
necessary, desirable,	or convenient for securing a	nd maintaining patents on the foregoing	invention or for perfecting title
thereto in the Assigne	e.		
I/We certify that I/we	have the full right to conve	y the above rights.	
, d.			
Yarch 6th, 2018	(sign name here)		
Date '	(print name here)	hoger Steadman Booker	, Assignor
Date	(print name here)	Ewald ROESSL	, Assignor
Date	(print name here)	Heiner DAERR	, Assignor

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 tran	sfer the entire and exclusive ri	ght, title, and interest in the following to I	Koninklijke Philips N.V., having
	•	AE, Eindhoven, the Netherlands, its succe	
representatives, inc	luding any nominees (collectiv	ely "the Assignee") my/our invention for	which an application:
is executed conc	currently herewith		
	y me/us on	***************************************	
		ving a Serial No	(V)(V)(V)(V)
		onal Application No. PCT/EP2016/07433	
and all rights in and	l to said application, and all ot	ner United States, foreign and internations	I patent applications associated
therewith, based the	ereon, or claiming priority ther	efrom including, but not limited to, any a	ad all provisionals, non-
provisionals division	ons, continuations, continuation	ns-in-part, re-examinations, reissues, and ϵ	extensions thereof, and the right to
claim priority there applications.	to, and the entire and exclusive	e right, title, and interest in and to any and	all patents granted on these
		officials in the United States and in any ar	
any and all Letters	Patent when granted, solely to	the Assignee(s), for its sole use, and that	of its successors, assigns, and
legal representative	es.		
I/We will provide t	ny/our cooperation to enable t	ne Assignee to enjoy the foregoing right, t	itle, and interest to the fullest
-		nee, I/we agree to execute all papers, take	
		tions and infringement actions, and do all	
· ·		nd maintaining patents on the foregoing ir	ivention or for perfecting title
thereto in the Assig	gnee.		
I/We certify that I/	we have the full right to conve	y the above rights.	
	(sign name here)		
Date 3-8-201	(print name here)	Roger STEADMAN/BOOKER	Assignor
Date	(print name here)	Ewald ROESSL	, Assignor
Date	(print name here)	Heiner DAERR	, Assignor

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 tran	sfer the entire and exclusive r	ight, title, and interest in the following to l	Komnklijke Philips N.V., having
a place of business	at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its succe	essors, assigns, and legal
representatives, inc	luding any nominees (collectiv	vely "the Assignee") my/our invention for	which an application:
is executed conc	currently herewith		
was executed by	/ me/us on	**************************************	
		ving a Serial No	**********
was filed on. 11	Oct 2016, having an Internati	ional Application No. PCT/EP2016/0743:	25,
and all rights in and	l to said application, and all ot	her United States, foreign and internations	al patent applications associated
therewith, based the	ereon, or claiming priority the	refrom including, but not limited to, any a	nd all provisionals, non-
provisionals divisio	ns, continuations, continuation	ns-in-part, re-examinations, reissues, and o	extensions thereof, and the right to
claim priority there	to, and the entire and exclusiv	e right, title, and interest in and to any and	lall patents granted on these
applications.			
I/We authorize and	request that the Patent Office	officials in the United States and in any a	nd 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 representative	8.		
I/We will provide r	ny/our cooperation to enable t	he Assignee to enjoy the foregoing right, t	itle, and interest to the fullest
extent. Upon reque	est at the expense of the Assign	nee, I/we agree to execute all papers, take	all rightful oaths, testify in all
legal proceedings is	ncluding patent prosecution ac	tions and infringement actions, and do all	other such acts which may be
necessary, desirable	e, or convenient for securing a	nd maintaining patents on the foregoing is	avention or for perfecting title
thereto in the Assig	nee.		
I/We certify that I/v	we have the full right to conve	y the above rights.	
26484 0 4	(sign name here)		
Date	(print name here)	Roger STEADMAN BOOKER	, Assignor
2018/02/0	10		
Date	(print name here)	Ewald ROESSL	, Assignor
DOVEN SING		HL) aar —	
Date	(print name here)	Heiner DAERR	, Assignor

Page 1 of 1

PATENT REEL: 045312 FRAME: 0866