505372603 03/13/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW JOHN LAWRENSON	03/13/2019
VINCENTIUS PAULUS BUIL	09/18/2017
LUCAS JACOBUS FRANCISCUS GEURTS	09/18/2017

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:	16332953

CORRESPONDENCE DATA

Fax Number:

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ATTORNEY DOCKET NUMBER:	2016P00782WOUS
NAME OF SUBMITTER:	DAWN C. WOLFF
SIGNATURE:	/Dawn C. Wolff/
DATE SIGNED:	03/13/2019

Total Attachments: 2

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PATENT 505372603 REEL: 048585 FRAME: 0392

Daté

and assign, and transfer a place of business at Hi	the entire and exclusive a gh Tech Campus 5,5656	we acknowledge receipt, I/we as a belowing tight, title, and interest in the following AE, Eindhoven, the Netherlands, its survely "the Assignee") my/our invention to	to Koninklijke Philips N.V., having ccessors, assigns, and legal
is executed consume	ntly herewith		
	as on		
		ving a Scrial No	
was filed on 14 Sep	2017, having an Internat	ional Application No. PCT/EP2017/07	3182,
therewith, based thereou provisionals divisions, c	, or claiming priority the onlinuations, continuations,	her United States, foreign and internation refrom including, but not limited to, any nu-in-part, re-examinations, reissues, an e right, title, and interest in and to any a	and all provisionals, non- dextensions thereof, and the right to
		officials in the United States and in any the Assignee(s), for its sole use, and the	
VWe will provide my/or	ir cooperation to enable t	be Assignee to enjoy the foregoing right	t, title, and interest to the fullest
tegal proceedings includ	ing patent prosecution ac	nee, I/we agree to execute all papers, tak tions and infringement actions, and do t ad maintaining patents on the foregoing	nti other such acts which may be
I/We certify that I/we ha	ve the full right to conve	y the sbove rights.	
13-3-2019	(sign name here)	ALL	
Date	(print name here)	Matthew John LAWRENSON	, Assignor
 Date	(print name here)	Vincentius Paulus BUIL	, Assignor

Page 1 of 1

Lucas Jacobus Franciscus GEURTS

(print name here)

, 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 righ	t, title, and interest in the following to I	Koninklijke Philips N.V., having
a place of business at Hi	gh Tech Campus 5,5656 AB	, Eindhoven, the Netherlands, its succe	ssors, assigns, and legal
representatives, includin	g any nominees (collectivel)	y "the Assignee") my/our invention for	which an application:
is executed concurrent	ntly herewith		
	us on		
was filed on	, havin	g a Serial No	***********
was filed on. 14 Sep	2017, having an Internation	al Application No. PCT/EP2017/07318	3 2 ,
and all rights in and to sa	aid application, and all other	United States, foreign and internationa	l patent applications associated
therewith, based thereon	, or claiming priority therefr	om including, but not limited to, any ar	id all provisionals, non-
provisionals divisions, c	ontinuations, continuations-i	n-part, re-examinations, reissues, and e	xtensions thereof, and the right to
claim priority thereto, an applications.	d the entire and exclusive ri	ght, title, and interest in and to any and	all patents granted on these
		icials in the United States and in any an Assignee(s), for its sole use, and that c	-
extent. Upon request at legal proceedings includ	the expense of the Assignee, ing patent prosecution action	Assignee to enjoy the foregoing right, to a light of the second of the s	ill rightful oaths, testify in all other such acts which may be
I/We certify that I/we ha	ve the full right to convey th	e above rights.	
	(sign name hçre)	.	
Date Sell 18,2017	(print narry here)	Matthew John LAWRENSON	, Assignor
<u>Dey (0,2017</u> Date SEP 18 2017	(print name here)	Vincentius Paulus BUIL	, Assignor
Date	(print nank here)	Lucas Jacobus Franciscus GEURTS	, Assignor

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PATENT REEL: 048585 FRAME: 0394