PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5150744

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FREDERIK JAN DE BRUIJN	04/19/2017
VINCENTIUS PAULUS BUIL	04/19/2017
KARL CATHARINA VAN BREE	04/19/2017
LEO JAN VELTHOVEN	04/19/2017
DANIEL WILLEM ELISABETH SCHOBBEN	04/19/2017

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:	16086859

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.

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ATTORNEY DOCKET NUMBER:	2015P01739WOUS
NAME OF SUBMITTER:	EDWARD W. GOODMAN
SIGNATURE:	/Edward W. Goodman/
DATE SIGNED:	09/20/2018

Total Attachments: 4

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PATENT REEL: 046929 FRAME: 0322

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> PATENT REEL: 046929 FRAME: 0323

Date

Date

and assign, and transfer t a place of business at Hig	he entire and exclusive r gh Tech Campus 5,5656	ve acknowledge receipt, I/we as a below- ight, title, and interest in the following to AE, Eindhoven, the Netherlands, its succ vely "the Assignee") my/our invention fo	Koninklijke Philips N.V., having cessors, assigns, and legal
	is on, ha	ving a Serial Notional Application No. PCT/EP2017/056	
therewith, based thereon, provisionals divisions, co	or claiming priority theo ontinuations, continuation	her United States, foreign and internation refrom including, but not limited to, any ans-in-part, re-examinations, reissues, and e right, title, and interest in and to any an	and all provisionals, non- extensions thereof, and the right to
		officials in the United States and in any a the Assignec(s), for its sole use, and that	*
extent. Upon request at t legal proceedings includi	he expense of the Assign ng patent prosecution ac	he Assignee to enjoy the foregoing right, nee, I/we agree to execute all papers, take tions and infringement actions, and do al nd maintaining patents on the foregoing	e all rightful oaths, testify in all
I/We certify that I/we have	ve the full right to conve	y the above rights	
14-04-2017 Date	(sign name here) (print name here)	Eyestártbá DE BRUIJN	, Assignor
Date	(print name here)	Vincentius Paulus BUIL	, Assignor
Date	(print name here)	Karl Catharina VAN BREE	, Assignor

Page 1 of 1

Leo Jan VELTHOVEN

Daniël Willem Elisabeth SCHOBBEN

(print name here)

(print name here)

, Assignor

, Assignor

to

Date

Date

Date

and assign, and t	ransfer the entire and exclusive t ss at High Tech Campus 5,5656	we acknowledge receipt, I/we as a belo ight, title, and interest in the following AE, Eindhoven, the Netherlands, its su vely "the Assignee") my/our invention	to Koninklijke Philips N.V., having ceessors, assigns, and legal
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	rs Patent when granted, solely to	officials in the United States and in an the Assignee(s), for its sole use, and the	••
extent. Upon red legal proceeding	quest at the expense of the Assig s including patent prosecution ac able, or convenient for securing a	he Assignee to enjoy the foregoing rightnee, I/we agree to execute all papers, tactions and infringement actions, and dound maintaining patents on the foregoin	ke all rightful oaths, testify in all all all other such acts which may be
I/We certify that	I/we have the full right to conve	y the above rights.	
	(sign name here)	1	
Date 19 - 00 r	(print name here) - 2017	Frederik Janobe BRUIJN	, Assignor
Date /	(print name here)	Yncentus/Paulus BUIL	, Assignor

Page 1 of 1

Karl Catherins VAN BREE

Daniël Willem Elisabeth SCHOBBEN

Leo Jan VELTHOVEN

(print name here)

(print name here)

(print name here)

, Assignor

, Assignor

, Assignor

Date

and assign, and transfer a place of business at H	the entire and exclusive r igh Tech Campus 5,5656	ve acknowledge receipt, I/we as a belowight, title, and interest in the following to AE, Eindhoven, the Netherlands, its succeely "the Assignee") my/our invention for	Koninklijke Philips N.V., having tessors, assigns, and legal
is executed concurre	intly herewith		
was executed by me	/us on	*************************	
was filed on	, ha	ving a Serial No	*************
🛚 was filed on. 16 Ma	r 2017, having an Internat	ional Application No. PCT/EP2017/056	1187,
and all rights in and to s	aid application, and all of	her United States, foreign and internation	nal patent applications associated
therewith, based thereor	n, or claiming priority ther	efrom including, but not limited to, any a	and all provisionals, non-
		ns-in-part, re-examinations, reissues, and e right, title, and interest in and to any an	•
legal representatives. I/We will provide my/o	ur cooperation to enable ti	the Assignee(s), for its sole use, and that ne Assignee to enjoy the foregoing right, see, I/we agree to execute all papers, take	title, and interest to the fullest
		tions and infringement actions, and do al nd maintaining patents on the foregoing i	·
I/We certify that I/we ha	ave the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Frederik Jan DE BRUIJN	, Assignor
Date	(print name here)	Vincentius Paulus BUIL	, Assignor
19-4-7017			
Date	(print name here)	Karl Catharina VAN BREE	, Assignor
19-4-76	e Comment	- Anguaran da anguaran anguar	
Date Date	(print name here)	Leo Jan VELTHOVEN	, Assignor

Page 1 of 1

(print name here)

Daniël Willem Elisabeth SCHOBBEN

, Assignor

and assign, and tra e place of business	nsfer the entire and exclusive to at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-na right, title, and interest in the following to K AE, Eindhoven, the Netherlands, its success vely "the Assignee") my/our invention for w	oninklijke Philips N.V., having sors, assigns, and legal
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therewith, based the provisionals divisionals	tereon, or claiming priority the ons, continuations, continuations, continuations	ther United States, foreign and international refrom including, but not limited to, any and us-in-part, re-examinations, reissues, and examinations are the second of the	all provisionals, non- tensions thereof, and the right to
applications.	eos, and the chine and exclusiv	e right, title, and interest in and to any and a	n parents gramed on these
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extent. Upon requi logal proceedings i	est at the expense of the Assign neluding patent prosecution as e, or convenient for securing a	he Assignee to enjoy the foregoing right, titl nee, I/we agree to execute all papers, take all tions and infringement actions, and do all of nd maintaining patents on the foregoing invo	rightful ouths, testify in all her such acts which may be
I/We certify that I/	we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(prhit name here)	Prederik Jan DE BRULIN	, Assignor
Date	(print name here)	Vincentius Paulus BUIL.	Assignor
Date	(print name here)	Karl Catharina VAN SREE	, Assignor
Date	(print name here)	Leo Jan VELTHOVEN	, Assignor
<u>Date</u>	(print name here)	Daniël Willem Elisabeth SCHOBBEN	, Assignor

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