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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WILLEM VERKRUIJSSE	02/07/2018
SIMONE CORNELIA MARIA ANNA ORDELMAN	02/06/2018
CRISTIAN NICOLAE PRESURA	02/05/2018
RICK BEZEMER	02/06/2018
CALINA CIUHU	02/06/2018

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:	16323560

CORRESPONDENCE DATA

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Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

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Address Line 2: SUITE 340

Address Line 4: VALHALLA, NEW YORK 10595

Total Attachments, 5	
DATE SIGNED:	02/06/2019
SIGNATURE:	/Thomas M. Lundin/
NAME OF SUBMITTER:	THOMAS M. LUNDIN
ATTORNEY DOCKET NUMBER:	2016P00119WOUS01

Total Attachments: 5

PATENT REEL: 048247 FRAME: 0910

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PATENT REEL: 048247 FRAME: 0911

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=		AE, Eindhoven, the Netherlands, its succe	
representatives, includi	ng any nominees (collectiv	rely "the Assignee") my/our invention for	which an application:
is executed concurre	ently herewith		
was executed by me	/us on	***************************************	
was filed on	, ha	ving a Serial No	*(34034034)
was filed on. 07 Au	g 2017, having an Internat	ional Application No. PCT/EP2017/0698	83,
and all rights in and to	said application, and all ot	her United States, foreign and internationa	l patent applications associated
therewith, based thereo	n, or claiming priority ther	efrom including, but not limited to, any ar	nd all provisionals, non-
provisionals divisions,	continuations, continuation	ns-in-part, re-examinations, reissues, and e	extensions thereof, and the right to
claim priority thereto, a	and the entire and exclusive	e right, title, and interest in and to any and	all patents granted on these
applications.			
•		officials in the United States and in any ar the Assignee(s), for its sole use, and that o	
I/We will provide my/c	our cooperation to enable the	ne Assignee to enjoy the foregoing right, t	itle, and interest to the fullest
extent. Upon request a	t the expense of the Assign	nee, I/we agree to execute all papers, take a	all rightful oaths, testify in all
legal proceedings inclu	ding patent prosecution ac	tions and infringement actions, and do all	other such acts which may be
necessary, desirable, or	convenient for securing a	nd maintaining patents on the foregoing in	vention or for perfecting title
thereto in the Assignee	•		
I/We certify that I/we h	nave the full right to conve	y the above rights.	
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leb 7'18	(sign name here)	Wind	
Date &	(print name here)	Willem VERKRÜIJSSE	, Assignor
Date	(print name here)	Simone Cornelia Maria Anna	, Assignor
		ORDELMAN	_
Date	(print name here)	Cristian Nicolae PRESURA	, Assignor
	, <u></u> ,	v	
Date	(print name here)	Rick BEZEMER	, Assignor
Date	(print name here)	Calina CIUHU	, Assignor

Page 1 of 1

Date

and assign, and tran	ister the entire and exclusive r	ight, 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 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	y me/us on		
was filed on	, ha	ving a Serial No	***********
was filed on. 07	Aug 2017, having an Internat	ional Application No. PCT/EP2017/0698	383,
and all rights in and	f to said application, and all of	her United States, foreign and internation	al patent applications associated
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provisionals divisio	ns, continuations, continuation	ns-in-part, re-examinations, reissues, and	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	d all patents granted on these
	Patent when granted, solely to	officials in the United States and in any a the Assignee(s), for its sole use, and that	
extent. Upon reque legal proceedings in	est at the expense of the Assign neluding patent prosecution ac e, or convenient for securing a	he Assignee to enjoy the foregoing right, thee, I/we agree to execute all papers, take tions and infringement actions, and do all and maintaining patents on the foregoing in	all rightful oaths, testify in all other such acts which may be
I/We certify that I/v	we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Willem VERKRUIJSSE	, Assignor
	,	1.0	
<u>06 Feb. 2018.</u> Date	(print name here)	Simone Cornelia Maria Anna	, Assignor
25400	(Control and Control	ORDELMAN	,
Date	(print name here)	Cristian Nicolae PRESURA	, Assignor
Date	(print name here)	Rick BEZEMER	, Assignor

Page 1 of 1

Calina CIUHU

(print name here)

, Assignor

		ight, title, and interest in the following to I AE, Eindhoven, the Netherlands, its succe	
•	•	vely "the Assignee") my/our invention for	
is executed concu	rrently herewith		
	ne/us on		
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was filed on. 07 A	aug 2017, having an Internat	ional Application No. PCT/EP2017/0698	83,
and all rights in and t	o said application, and all ot	her United States, foreign and internationa	l patent applications associated
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claim priority thereto applications.	, and the entire and exclusiv	e right, title, and interest in and to any and	all patents granted on these
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legal proceedings inc	cluding patent prosecution ac or convenient for securing a	nee, I/we agree to execute all papers, take ations and infringement actions, and do all and maintaining patents on the foregoing in	other such acts which may be
I/We certify that I/we	e have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Willem VERKRUIJSSE	, Assignor
Date	(print name here)	Simone Cornelia Maria Anna	, Assignor
		ORDELMAN	
5-02-2018		Ke	
Date	(print name here)	Cristian Nicolae PRESURA	, Assignor
Date	(print name here)	Rick BEZEMER	, Assignor
Date	(print name here)	Calina CIUHU	, Assignor

Page 1 of 1

 Date	(print name here)	Simone Cornelis Maria Anna	, Assignor
Date	(print name here)	Willem VERKRUIJSSE	, Assignor
	(sign name here)		
I/We certify that I/w	e have the full right to conve	y the above rights,	
legal proceedings in	cluding patent prosecution at or convenient for securing a	ctions and infringement actions, and do all and maintaining patents on the foregoing	l other such acts which may be
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therewith, based the provisionals division	reon, or claiming priority the is, continuations, continuatio	ther United States, foreign and internation refrom including, but not limited to, any ons-in-part, re-examinations, reissues, and re right, title, and interest in and to any ar	and all provisionals, non- l extensions thereof, and the right to
		tional Application No. PCT/EP2017/069	
	me/us on	nving a Serial No	
and assign, and tran a place of business a	sfer the entire and exclusive at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below right, title, and interest in the following to AE, Eindhoven, the Netherlands, its successful "the Assignee") my/our invention for	o Koninklijke Philips N.V., having cessors, assigns, and legal

Page 1 of 1

Rkk BEZEMER

Calina CIUHU

ORDELMAN

(print name here)

(print name here)

(print name here)

Cristian Nicolae PRESURA

Date

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, Assignor

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and assign, and to	ransfer the entire and exclusive r	ight, title, and interest in the following to	Koninklijke Philips N.V., having
a place of busine	ss at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its succe	essors, assigns, and legal
representatives, i	ncluding any nominees (collecti	vely "the Assignee") my/our invention for	which an application:
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was filed on.	07 Aug 2017, having an Internal	tional Application No. PCT/EP2017/0698	383,
and all rights in a	and to eaid annlication, and all of	her United States, foreign and internation	al natent amilications associated
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		e right, title, and interest in and to any and	
applications.	noto, and the same tale exclusiv	o rigin, inte, and interest in and to my and	i an pateins grained on these
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		the Assignee(s), for its sole use, and that	
legal representati	•	(a) (a) (b) (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	and the state of t
I/We will provide	e 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	
	· · · · · · · · · · · · · · · · · · ·	tions and infringement actions, and do all	• •
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I/We certify that	I/we have the full right to conve	y the above rights.	
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	(sign name here)		
Date	(print name here)	Willem VERKRUIJSSE	, Assignor
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Date	(print name here)	Simone Cornelia Maria Anna	, Assignor
		ORDELMAN	
Date	(print name here)	Cristian Nicolae PRESURA	, Assignor
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Date	(print name here)	Rick BEZEMER	, Assignor
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Date	(print name here)	Calina CIUNU	Assianor

Page 1 of 1

PATENT REEL: 048247 FRAME: 0916