PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHIJS HENDRIKUS LUBBERS	02/25/2019
JONNE STEEMAN	07/13/2020
KLAAS HILVERDA	03/12/2019
BASTIAAN JOHANNES DE WIT	03/11/2019

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:	16976784

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:	2018P00242WOUS
NAME OF SUBMITTER:	DOUGLAS B. MCKNIGHT
SIGNATURE:	/Douglas B. McKnight/
DATE SIGNED:	08/31/2020

Total Attachments: 4

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PATENT REEL: 053638 FRAME: 0812

Date: _____

Date:	Signature:	Jonne STEEMAN	, Assignor/Inventor
Date:	Signature:	Matthijs Mendrikus LUBBERS	, Assignor/Inventor
Date: 25-02-2019	Signature:	M. W. C. W. A. J I VIDEDO	, Assignor/Inventor
I hereby acknowledge that imprisonment of not more the second of the sec		tement made in this declaration is punishable or both.	under 18 U.S.C. 1001 by fine or
	•	that the above-identified application was made al joint Inventor of a claimed invention in the a	* .
I/We certify that I/we have t	he full right to conv	vey the above rights.	
Upon request at the expens proceedings including pater	se of the Assignee, nt prosecution action	e the Assignee to enjoy the foregoing right, title , I/we agree to execute all papers, take all right ons and infringement actions, and do all other ng and maintaining patents on the foregoing in	tful oaths, testify in all legal such acts which may be
		fice officials in the United States and in any an the Assignee(s), for its sole use, and that of its	
therewith, based thereon, o divisions, continuations, con	r claiming priority t ntinuations-in-part,	Il other United States, foreign and international herefrom including, but not limited to, any and re-examinations, reissues, and extensions the e, and interest in and to any and all patents gra	all provisionals, non-provisionals ereof, and the right to claim priority
was filed on ***, having was filed on 2019-Feb-		oplication No. *** national Application No. PCT/EP2019/054505	ı
is executed concurrentl	•		
hereby sell, and assign, and having a place of business	d transfer the entire at High Tech Cam	I/we acknowledge receipt, I/we as a below-nate and exclusive right, title, and interest in the formula pus 5, 5656 AE, Eindhoven, the Netherlands, it is ectively "the Assignee") my/our invention for with the public public invention for with the public	ollowing to Koninklijke Philips N.V., its successors, assigns, and legal

Klaas HILVERDA

Bastiaan Johannes DE WIT

Signature:

PATENT REEL: 053638 FRAME: 0813

Assignor/Inventor

ASSIGNMENT & DECLARATION

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s) or Inventor, hereby sell, and assign, and transfer the entire and exclusive right, 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 successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:

| is executed concurrently herewith | was filed on ***, having a United States Application No. ***
| was filed on 2019-Feb-25, having an International Application No. PCT/EP2019/054505,

and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

I/We authorize and request that the Patent Office officials in the United States and in any and 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 representatives.

I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

I/We certify that I/we have the full right to convey the above rights.

As a below-named Inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original Inventor or an original joint Inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Date:	Signature:		Exactionizally signed by 3	Assignor/Inventor
Date:	Signature:	Matthijs Hendrikus LUBBERS	Rectionizally signed by: J. Recinan Resson: Lam holding Power o. Stomey to sign this document Date. Jul 13, 2020 15:43 GMT	Assignor/Inventor
Date:	Signature:	Jonne STEEMAN	•	Assignor/Inventor
Date:	Signature:	Klaas HILVERDA		Assignor/Inventor
DAT TAX TO B	5.81.0000.	Bastiaan Johannes DE WIT	3	

PATENT REEL: 053638 FRAME: 0814

Date: 12 1905 4 19

Date:

Date:	Signature:	PROCESS INCOME TO SEE SEE SEE SEE SEE SEE SEE SEE SEE SE	Assignor/Inventor
Date:	Signature:		Assignor/inventor
I hereby acknowledge that imprisonment of not more		tement made in this declaration is punishable under of both	18 U.S.C. 1001 by fine or
		that the above-identified application was made or aut al joint Inventor of a claimed invention in the applicati	
I/We certify that I/we have	the full right to conv	vey the above rights.	
Upon request at the expen proceedings including pate	se of the Assignee, ent prosecution action	e the Assignee to enjoy the foregoing right, title, and in I/we agree to execute all papers, take all rightful oath ons and infringement actions, and do all other such ac ing and maintaining patents on the foregoing invention	ns, testify in all legal cts which may be
		fice officials in the United States and in any and all for the Assignee(s), for its sole use, and that of its succe	
therewith, based thereon, of divisions, continuations, co	or claiming priority the claiming priority to the continuations-in-part,	I other United States, foreign and international patent herefrom including, but not limited to, any and all prov re-examinations, reissues, and extensions thereof, a e, and interest in and to any and all patents granted or	risionals, non-provisionals nd the right to claim priority
was filed on 2019-Feb-	25, having an Inter	national Application No. PCT/EP2019/054505,	
was filed on ***, having	•	pplication No. ***	
is executed concurrent	lv herewith	:	
hereby sell, and assign, an having a place of business	d transfer the entire at High Tech Camp	i/we acknowledge receipt, I/we as a below-named A and exclusive right, title, and interest in the following ous 5, 5656 AE, Eindhoven, the Netherlands, its succ actively "the Assignee") my/our invention for which an	to Koninklijke Philips N.V., essors, assigns, and legal

Jonne STEEMAN

Bastiaan Johannes DE WIT

Signature:

Signature:

PATENT REEL: 053638 FRAME: 0815

Assignor/Inventor

Assignor/Inventor

hereby sell, and assign, and transf having a place of business at High	er the entire Tech Camp	I/we acknowledge receipt, I/we as a below-named and exclusive right, title, and interest in the followious 5, 5656 AE, Eindhoven, the Netherlands, its substitutely "the Assignee") my/our invention for which a	ng to Koninklijke Philips N.V., ccessors, assigns, and legal
is executed concurrently herew	/ith		
was filed on ***, having a Unite	d States Ap	plication No. ***	
was filed on 2019-Feb-25, havi	ing an Interr	national Application No. PCT/EP2019/054505,	
therewith, based thereon, or claimi divisions, continuations, continuation	ng priority to ons-in-part,	other United States, foreign and international pate herefrom including, but not limited to, any and all pr re-examinations, reissues, and extensions thereof, , and interest in and to any and all patents granted	ovisionals, non-provisionals and the right to claim priority
		ice officials in the United States and in any and all t the Assignee(s), for its sole use, and that of its succ	
Upon request at the expense of the proceedings including patent prose	e Assignee, ecution actic	the Assignee to enjoy the foregoing right, title, and l/we agree to execute all papers, take all rightful or one and infringement actions, and do all other suching and maintaining patents on the foregoing inventing	aths, testify in all legal acts which may be
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	•	hat the above-identified application was made or a al joint Inventor of a claimed invention in the applica	•
I hereby acknowledge that any willi imprisonment of not more than five		tement made in this declaration is punishable under or both.	r 18 U.S.C. 1001 by fine or
Date:S	ignature:		Assignar/inventor
Date:S	ignature:	Matthijs Hendrikus LUBBERS	Assignor/Inventor
Date:S	ignature:	Jonne STEEMAN ,	Assignor/inventor
Date: 17-03-2019 \$	ignature:	Klaas HILVERDA Bastiagu-Johannes DE WIT	Assignor/inventor

PATENT REEL: 053638 FRAME: 0816

RECORDED: 08/31/2020