## 506603547 04/12/2021

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MICHEL VAN ES	11/02/2019
JOOST TOMAS GLAZENBURG	11/04/2019
JANNY BULTEN	08/31/2020
HAROLD WOLF	10/28/2019

### **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:	17284485

### **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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Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

Address Line 1: 465 COLUMBUS AVENUE

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ATTORNEY DOCKET NUMBER:	2018P00865WOUS
NAME OF SUBMITTER:	DOUGLAS B. MCKNIGHT
SIGNATURE:	/Douglas B. McKnight/
DATE SIGNED:	04/12/2021

#### **Total Attachments: 4**

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PATENT 506603547 REEL: 055886 FRAME: 0217

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PATENT REEL: 055886 FRAME: 0218

hereby sell, and assign, and trans having a place of business at Higl	sfer the entire h Tech Cam	I I/we acknowledge receipt, I/we as a below-named Are and exclusive right, title, and interest in the following pus 5, 5656 AE, Eindhoven, the Netherlands, its succeptively "the Assignee") my/our invention for which an	to Koninklijke Philips N.V., essors, assigns, and legal
is executed concurrently here	with		
was filed on ***, having a Unit	ed States Ap	oplication No. ***	
was filed on 2019-Oct-28, have	ving an Inten	national Application No. PCT/EP2019/079313,	
therewith, based thereon, or claim divisions, continuations, continuat	ning priority to tions-in-part,	l other United States, foreign and international palent herefrom including, but not limited to, any and all prov re-examinations, reissues, and extensions thereof, ar , and interest in and to any and all patents granted or	risionals, non-provisionals and the right to claim priority
,		fice officials in the United States and in any and all for the Assignee(s), for its sole use, and that of its succes	<b>~</b>
Upon request at the expense of the proceedings including patent pros	ne Assignee, secution action	e the Assignee to enjoy the foregoing right, tille, and in I/we agree to execute all papers, take all rightful oath ons and infringement actions, and do all other such ac ng and maintaining patents on the foregoing invention	s, testify in all legal ts which may be
I/We certify that I/we have the full	right to conv	rey the above rights.	
		that the above-identified application was made or auth al joint inventor of a claimed invention in the application	
I hereby acknowledge that any will imprisonment of not more than five		lement made in this declaration is punishable under 1 or both.	8 U.S.C. 1001 by fine or
Date: (hovember 2 = 1	Signature:	Michel VAD ES	Assignor/inventor
Date:	Sig <del>nature:</del>	Joost Tomas GLAZENBURG	Assignor/inventor
Date: 5	Signature:	Janny BULTEN	Assignor/Inventor
Date:	Signature:	Harold WOLF	Assignor/Inventor

nereby sell, and assign, and transfer having a place of business at High Te	of which I/we acknowledge receipt, I/we as a below-named the entire and exclusive right, title, and interest in the followinch Campus 5, 5656 AE, Eindhoven, the Netherlands, its sures (collectively "the Assignee") my/our invention for which a	ng to Koninklijke Philips N.V., cessors, assigns, and legal
is executed concurrently herewith		
was filed on ***, having a United S	States Application No. ***	
	an International Application No. PCT/EP2019/079313,	
therewith, based thereon, or claiming divisions, continuations, continuations	n, and all other United States, foreign and international pater priority therefrom including, but not limited to, any and all pri in-part, re-examinations, reissues, and extensions thereof, right, title, and interest in and to any and all patents granted	ovisionals, non-provisionals and the doubt
I/We authorize and request that the Prand all Letters Patent when granted, s representatives.	atent Office officials in the United States and in any and all fi solely to the Assignee(s), for its sole use, and that of its succ	oreign countries to issue any essors, assigns, and legal
upon request at the expense of the At proceedings including patent prosecut	o enable the Assignee to enjoy the foregoing right, title, and ssignee, I/we agree to execute all papers, take all rightful oa lion actions and infringement actions, and do all other such a recurring and maintaining patents on the foregoing inventic	ths, testify in all legal acts which may be
I/We certify that I/we have the full right	t to convey the above rights.	
As a below-named Inventor, I hereby and that I am the original Inventor or a	declare that the above-identified application was made or au in original joint Inventor of a claimed invention in the applicat	thorized to be made by me, ion.
I hereby acknowledge that any willful fairnerisonment of not more than five (5)	alse statement made in this declaration is punishable under years, or both.	18 U.S.C. 1001 by fine or
Date: Sign	ature:	Assignor/Inventor
	Michel VAN ES	· ·
, , , ,	Joost Tomas GLAZENBURG	Assignor/inventor
Date: Sign:	ature:, Janny BULTEN	Assignor/Inventor
Date: Signa	ature:,	Assignor/Inventor

Harold WOLF

Date:

Signature:

Harold WOLF

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-Oct-28, having an International Application No. PCT/EP2019/079313, 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: Assignor/Inventor Michel VAN ES Assignor/Inventor Signature: Joost Tomas GLAZENBURG Vanny Bulton Pale: Aug 31, 2020 99:33 GMT+2 Date: Signature: Assignor/Inventor Janny BULTEN

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s) or Inventor,

PATENT REEL: 055886 FRAME: 0221

Assignor/Inventor

# **ASSIGNMENT & DECLARATION**

U.S.A. Sole/Joint

hereby sell, and assign, and transhaving a place of business at Hig	sfer the entire In Tech Camp	I/we acknowledge receipt, I/we as a below-named / and exclusive right, title, and interest in the followin us 5, 5656 AE, Eindhoven, the Netherlands, its suc ctively "the Assignee") my/our invention for which a	g to Koninklijke Philips N.V., cessors, assigns, and legal
☐ is executed concurrently here ☐ was filed on ***, having a Uni ☑ was filed on 2019-Oct-28, ha	ted States Ap	plication No. *** ational Application No. PCT/EP2019/079313,	
therewith, based thereon, or clair divisions, continuations, continua	ming priority thations-in-part, s	other United States, foreign and international pater rerefrom including, but not limited to, any and all pro re-examinations, reissues, and extensions thereof, and interest in and to any and all patents granted of	ovisionals, non-provisionals and the right to claim priority
I/We authorize and request that t and all Letters Patent when gran representatives.	he Patent Offi ted, solely to t	ice officials in the United States and in any and all fi he Assignee(s), for its sole use, and that of its succ	oreign countries to issue any essors, assigns, and legal
Upon request at the expense of it proceedings including patent pro	the Assignee, secution actic	the Assignee to enjoy the foregoing right, title, and I/we agree to execute all papers, take all rightful oa ins and infringement actions, and do all other such and maintaining patents on the foregoing inventions.	ths, testify in all legal acts which may be
I/We certify that I/we have the ful	li right to conv	ey the above rights.	
As a below-named inventor, I he and that I am the original inventor	reby declare t or or an origina	hat the above-identified application was made or at all joint inventor of a claimed invention in the applica	ithorized to be made by me, ition.
I hereby acknowledge that any will imprisonment of not more than fi		tement made in this declaration is punishable under or both.	· 18 U.S.C. 1001 by fine or
Date:	Signature:	Michel VAN ES	Assignor/Inventor
Date:	Signature:	Joest Tomas GLAZENBURG	Assignor/Inventor
Date:	Signature:		Assignor/Inventor
Date: 28-10-2019	Signature:	Harold WOLF	Assignor/Inventor

**PATENT** REEL: 055886 FRAME: 0222