12/11/2019 505815163

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
COEN MICHIEL PAUL SCHWERING	08/17/2018
ARJAN SANDER VONK	08/20/2018

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:	16621446

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NAME OF SUBMITTER:	DOUGLAS B. MCKNIGHT
SIGNATURE:	/Douglas B. McKnight/
DATE SIGNED:	12/11/2019

Total Attachments: 2

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PATENT REEL: 051248 FRAME: 0718 505815163

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 2018-Jun-27, having an International Application No. PCT/EP2018/067329,

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: 17 -08 - 18	Signature:	Coen Michief Paul SCHWERING	 Assignor/Inventor
Date:	Signature:	Cook Michiel Lauf Schi WEXHIO	 Assignor/Inventor
		Arjan Sander VONK	

RECORDED: 12/11/2019

hereby sell, and assign, and tra having a place of business at H	nsfer the entire igh Tech Cam	I/we acknowledge receipt, I/we as a below-named and exclusive right, title, and interest in the following pus 5, 5656 AE, Eindhoven, the Netherlands, its suc actively "the Assignee") my/our invention for which a	ng to Koninklijke Philips N.V., cessors, assigns, and legal
is executed concurrently her	rewith		
was filed on ***, having a Ur	nited States Ap	pplication No. ***	
was filed on 2018-Jun-27, h	aving an Inter	national Application No. PCT/EP2018/067329,	
therewith, based thereon, or cla divisions, continuations, continu	iming priority t ations-in-part,	I other United States, foreign and international pater herefrom including, but not limited to, any and all pro- re-examinations, reissues, and extensions thereof, a, and interest in and to any and all patents granted	ovisionals, non-provisionals and the right to claim priority
		fice officials in the United States and in any and all f the Assignee(s), for its sole use, and that of its succ	
Upon request at the expense of proceedings including patent pro	the Assignee, osecution action	e the Assignee to enjoy the foregoing right, title, and I/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 inventions.	ths, testify in all legal acts which may be
I/We certify that I/we have the fo	JII right to conv	vey the above rights.	
	•	that the above-identified application was made or at all joint Inventor of a claimed invention in the applica	•
I hereby acknowledge that any imprisonment of not more than i		tement made in this declaration is punishable under or both.	18 U.S.C. 1001 by fine or
Date:	Signature:	3	Assignor/Inventor
n 0 O	-	Coen Michiel Paul SCHWERING	
Date: <u>20 - 6 - 201</u> 6	Signature:	Arjan Sander VONK	Assignor/inventor

PATENT REEL: 051248 FRAME: 0720