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# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6076520

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
SUPRIYO CHATTERJEA	11/27/2018
MICHAEL ALEX VAN HARTSKAMP	11/27/2018
MARINUS KAREL JOHANNES DE JAGER	11/26/2018
AMIR HUSSEIN RMAILE	11/12/2018
GERBEN KOOIJMAN	11/26/2018
PHILIP PRESHAW	11/27/2018
JOHN J TAYLOR	11/26/2018

### **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:	16758902

## **CORRESPONDENCE DATA**

Fax Number: (914)495-9540

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Phone: 914-495-9516

Email: katelyn.mulroy@Philips.com

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

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Address Line 2: **SUITE 340** 

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2016P01442WOUS
NAME OF SUBMITTER:	KATELYN MULROY
SIGNATURE:	/Katelyn Mulroy/
DATE SIGNED:	04/24/2020

REEL: 052484 FRAME: 0655 506029805

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# Total Attachments: 6 source=2016P01442WOUS\_Dec\_Assign#page1.tif source=2016P01442WOUS\_Dec\_Assign#page2.tif source=2016P01442WOUS\_Dec\_Assign#page3.tif source=2016P01442WOUS\_Dec\_Assign#page4.tif source=2016P01442WOUS\_Dec\_Assign#page5.tif source=2016P01442WOUS\_Dec\_Assign#page6.tif

PATENT REEL: 052484 FRAME: 0656

Date:

Date:

Signature:

Signature:

Philip PRESHAW

John J TAYLOR

hereby sell, and assign, and tran having a place of business at Hi	nsfer the entire gh Tech Cami	I/we acknowledge receipt, I/we as a below-named as and exclusive right, title, and interest in the following our 5, 5656 AE, Eindhoven, the Netherlands, its succeptively "the Assignee") my/our invention for which a	ng to Koninklijke Philips N.V., cessors, assigns, and legal
is executed concurrently her	ewith		
was filed on ***, having a Un	ited States Ap	pplication No. ***	
was filed on 2018-Oct-18, ha	aving an Inten	national Application No. PCT/EP2018/078486,	
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I/We certify that I/we have the fu	ıll 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 vimprisonment of not more than f		itement made in this declaration is punishable under or both.	r 18 U.S.C. 1001 by fine or
Date: 27-Nov-2018	Signature:	Altin- Sapriyo CHATTERJEA	Assignor/Inventor
Date:	Signature:		Assignor/Inventor
Date:	Signature:	Marinus Karel Johannes DE JAGER	Assignor/inventor
	•	Amir Hussein RMAILE	<del>.</del>
Date:	Signature:	Gerbija KODLIMAN	Assignor/Inventor
Date: 1000 27 Zoil	Signature:		Assignor/Inventor

PATENT REEL: 052484 FRAME: 0657

Assignor/Inventor

hereby sell, and assign, and tra having a place of business at H	insfer the entire ligh Tech Camp	I/we acknowledge receipt, I/we as a below-named /e and exclusive right, title, and interest in the followingus 5, 5656 AE, Eindhoven, the Netherlands, its succeptively "the Assignee") my/our invention for which are	g to Koninklijke Philips N.V., cessors, assigns, and legal
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I/We certify that I/we have the f	ull right to conv	vey the above rights.	
		that the above-identified application was made or au al joint Inventor of a claimed invention in the applicat	
I hereby acknowledge that any imprisonment of not more than		itement made in this declaration is punishable under or both.	18 U.S.C. 1001 by fine or
Date:	Signature:	<u> </u>	Assignor/Inventor
Date: 26 1401 2010	Signature:	Supriyo CHATYEKULA	Assignor/Inventor
Date:	Signature:	Marinus Kari Johannes DE JAGER	Assignor/Inventor
Date:	Signature:	Amir Hyssein RMAILE	Assignor/Inventor
	•	Gerben KOOIJMAN	~
Date:	Signature:	Michael Alex VAN HARTSKAMP	Assignor/Inventor
Date:	Signature:	·	Assignor/Inventor

Signature:

Date: \_\_\_\_\_

Philip PRESHAW

John J TAYLOR

**PATENT REEL: 052484 FRAME: 0658** 

hereby sell, and assign, and having a place of business a	transfer the entire at High Tech Cam	I/we acknowledge receipt, I/we as a below-named and exclusive right, title, and interest in the follow pue 5, 5656 AE, Eindhoven, the Netherlands, its st ectively "the Assignee") my/our invention for which	ing to Koninklijke Philips N.V., uccessors, assigns, and legal
is executed concurrently	herewith		
was filed on ***, having a	a United States Ap	pplication No. ***	
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		fice officials in the United States and in any and all the Assignee(s), for its sole use, and that of its suc	
Upon request at the expense proceedings including paten	of the Assignee, prosecution action	the Assignee to enjoy the foregoing right, title, and live agree to execute all papers, take all rightful coins and infringement actions, and do all other such and maintaining patents on the foregoing inventions.	oaths, testify in all legal a acts which may be
I/We certify that I/we have th	e full right to conv	ey the above rights.	
	•	that the above-identified application was made or a light inventor of a claimed invention in the applic	•
I hereby acknowledge that a imprisonment of not more that	· ·	tement made in this declaration is punishable undo or both.	er 18 U.S.C. 1001 by fine or
Date:	Signature:		Assignor/inventor
Date:	Signature:	Supriyo CHATTERJEA	Assignor/Inventor
		Maginus Karel Johannes DE JAGER	Ţ.
Date: 11 12 13	Signature:	Amir Hussein RMAILE	Assignor/inventor
Date:	Signature:		Assignor/Inventor
Date:	Signature:	Gerben KOOUMAN	Assignor/inventor

Michael Alex VAN HARTSKAMP

Philip PRESHAW

)

John J TAYLOR

Signature:

Signature:

Date:

Date:

PATENT REEL: 052484 FRAME: 0659

Assignor/inventor

Date:

hereby sell, and assign, and trar having a place of business at Hi	nsfer the entire igh Tech Camp	I/we acknowledge receipt, I/we as a below-named /e and exclusive right, title, and interest in the followingus 5, 5656 AE, Eindhoven, the Netherlands, its succeptively "the Assignee") my/our invention for which ar	g to Koninklijke Philips N.V., cessors, assigns, and legal
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I/We certify that I/we have the fu	ıll right to conv	rey the above rights.	
and that I am the original invent-	or or an origina willful false sta	that the above-identified application was made or au al joint Inventor of a claimed invention in the applicat tement made in this declaration is punishable under or both.	lion.
Date:	Signature:		Assignor/Inventor
	•	Supriyo CHATTERJEA	•
Date:	Signature:	Marinus Karel Johannes DE JAGER	Assignor/Inventor
Date:	Signature:	A main XXII 2.1 Yebb A NE SP	Assignor/Inventor
Date: 26-10V-2018	Signature:	Amir Hussein RMAILE	Assignor/Inventor
Date:	Signature:	Gerben KOOIJMAN	Assignor/Inventor
		Michael Alex VAN HARTSKAMP	~
Date:	Signature:		Assignor/Inventor

Philip PRESHAW

John J TAYLOR

Signature:

PATENT REEL: 052484 FRAME: 0660

Date:

hereby sell, and assign, and having a place of business at	transfer the enti High Tech Can	h I/we acknowledge receipt, I/we as a below-re and exclusive right, title, and interest in the nous 5, 5656 AE, Eindhoven, the Netherlands lectively "the Assignee") my/our invention for v	following to Koninklijke Philips N.V., its successors, assigns, and legal
☐ is executed concurrently ☐ was filed on ***, having a ☐ was filed on 2018-Oct-18	United States A	oplication No. *** mational Application No. PCT/EP2018/078486	<b>3</b> .
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I/We authorize and request the and all Letters Patent when grepresentatives.	ral the Patent Or ranted, solely to	ffice officials in the United States and in any a the Assignee(s), for its sole use, and that of it	nd all foreign countries to issue any ts successors, assigns, and legal
Upon request at the expense proceedings including patent	of the Assignee prosecution acti	e the Assignee to enjoy the foregoing right, titl , I/we agree to execute all papers, take all right ons and infringement actions, and do all other ing and maintaining patents on the foregoing i	htful oaths, testify in all legal r such acts which may be
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and that I am the original inve	nlor or an origin	that the above-identified application was mad al joint inventor of a claimed invention in the a	application.
i nereby acknowledge that an imprisonment of not more tha	y willful false sta n five (5) years,	itement made in this declaration is punishable or both.	under 18 U.S.C. 1001 by fine or
Date;	Signature:		, Assignor/Inventor
Date:	Signature:	Supriyo CHATTERJEA	, Assignor/inventor
Date:	Signature:	Marinus Karel Johannes DE JAGER	Assignor/inventor
Date:	Signature:	Amir Hussein RMAILE	8 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -
XV A	Signature:	Gerben KOOLIMAN	
uate: Date: 27No/2013	Signature:	Michael Alex VAN HARTSKAMP	, Assignor/Inventor
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Philip PRESHAW

John J TAYLOR

Signature:

PATENT REEL: 052484 FRAME: 0661

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-Oct-18, having an International Application No. PCT/EP2018/078486,

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:	Suprive CHATTERJEA	Assignor/Inventor
Date:	Signature:	Superio Crixa Lenorea	Assignor/inventor
		Marinus Karel Johannes DE JACER	
Date:	Signature:		Assignor/inventor
		Amir Hussein RMAILE	***
Date:	Signature:		Assignor/Inventor
		Gerben KOOLIMAN	
Date:	Signature:		Assignor/Inventor
Mark Control C		Michael Alex VAN HARTSKAMP	
Date:	Signature:		Assignor/Inventor
		Philip PRESHAW	
Date: 26/11/18	Signature:	John TAYLOR	Assignor/Inventor

PATENT REEL: 052484 FRAME: 0662

**RECORDED: 04/24/2020**