505308126 02/01/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHIAS BARTELS	07/18/2018
THOMAS KOEHLER	03/23/2018
EWALD ROESSL	03/23/2018

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:	16322509

CORRESPONDENCE DATA

Fax Number: (914)495-9510

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 2: **SUITE 340**

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2016P01234WOUS
NAME OF SUBMITTER:	NOEMI CHAPA
SIGNATURE:	/NOEMI CHAPA/
DATE SIGNED:	02/01/2019

Total Attachments: 3

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PATENT REEL: 048215 FRAME: 0433 505308126

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

to

a place of business at	High Tech Campus 5,5656	right, title, and interest in the follow AE, Eindhoven, the Netherlands, it vely "the Assignee") my/our invent	•
is executed concu	arrently herewith		
	me/us on	······································	
was filed on	, ha	ving a Serial No	
was filed on. 23 M	Mar 2018, having an Interna	tional Application No. PCT/EP201	8/057391,
therewith, based ther provisionals division	eon, or claiming priority the s, continuations, continuatio	refrom including, but not limited to	s, and extensions thereof, and the right to
	ntent when granted, solely to		any and all foreign countries to issue d that of its successors, assigns, and
extent. Upon request legal proceedings inc	at the expense of the Assign luding patent prosecution ac or convenient for securing a	nee, I/we agree to execute all papers tions and infringement actions, and	right, title, and interest to the fullest s, take all rightful oaths, testify in all do all other such acts which may be oing invention or for perfecting title
I/We certify that I/we	have the full right to conve	y the above rights.	
1018/03/18	(sign name here)	M. Told	
Date	(print name here)	Matthias BARTELS	, Assignor
Date	(print name here)	Thomas KOEHLER	, Assignor
Date	(print name here)	Ewald ROESSL	, Assignor

Page 1 of 1

U.S.A. Sole/Joint

Date

ASSIGNMENT

			dow-named Assignor(s), hereby sell,
			ng to Koninklijke Philips N.V., having
		AE, Eindhoven, the Netherlands, its	
representatives, inclu	ding any nominees (collecti	vely "the Assignee") my/our inventi-	on for which an application:
is executed concu	rrently herewith		
was executed by r	ne/us on		
was filed on	, ha	ving a Serial No	
		tional Application No. PCT/EP2018	
therewith, based there provisionals divisions	con, or claiming priority the continuations, continuation	refrom including, but not limited to,	and extensions thereof, and the right to
	•	officials in the United States and in the Assignee(s), for its sole use, and	any and all foreign countries to issue that of its successors, assigns, and
I/We will provide my	our cooperation to enable t	he Assignee to enjoy the foregoing r	ight, title, and interest to the fullest
extent. Upon request	at the expense of the Assign	nee, I/we agree to execute all papers,	take all rightful oaths, testify in all
legal proceedings inc	luding 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 forego	ing invention or for perfecting title
thereto in the Assigne	88.		
I/We certify that I/we	have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Matthias BANTELS	A colemen
23 3 4/1/4	Characteristic succes	4316	, Assignor
Date	(print name here)	Thomas KOEHLER	, Assignor

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Ewald ROESSL

(print name here)

, Assignor

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

and assign, and trans	sfer the entire and exclusive r	ight, title, and interest in the followin	g to Koninklijke Philips N.V., having
a place of business a	at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its s	nuccessors, assigns, and legal
representatives, incl	uding any nominees (collecti	vely "the Assignce") my/our invention	n for which an application:
is executed conc	urrently herewith		
	me/us on		
		ving a Serial No	***************************************
was filed on. 23	Mar 2018, having an Interna	tional Application No. PCT/EP2018/	057391,
and all rights in and	to said application, and all ot	her United States, foreign and interna	tional patent applications associated
therewith, based the	reon, or claiming priority the	refrom including, but not limited to, a	ny and all provisionals, non-
provisionals division	as, continuations, continuatio	ns-in-part, re-examinations, reissues,	and extensions thereof, and the right to
claim priority theret	o, and the entire and exclusiv	e right, title, and interest in and to any	and all patents granted on these
applications.			
I/We authorize and s	request that the Patent Office	officials in the United States and in a	ny and all foreign countries to issue
any and all Letters P	atent when granted, solely to	the Assignee(s), for its sole use, and	that of its successors, assigns, and
legal representatives	3.		
I/We will provide m	y/our cooperation to enable t	he Assignee to enjoy the foregoing ri	ght, title, and interest to the fullest
extent. Upon reques	st at the expense of the Assign	nee, I/we agree to execute all papers,	take all rightful oaths, testify in all
legal proceedings in	cluding patent prosecution ac	tions and infringement actions, and d	o all other such acts which may be
necessary, desirable	, or convenient for securing a	nd maintaining patents on the foregoi	ng invention or for perfecting title
thereto in the Assign	nee.		
I/We certify that I/w	e have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Matthias BARTELS	, Assignor
Date	(print name here)	Thomas & OF HILER /	Assignor
9-23-2012		- W. W. Lind	
Date	(print name here)	Ewald ROESSL	Assignor

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PATENT REEL: 048215 FRAME: 0436