#### 504335773 04/25/2017

# PATENT ASSIGNMENT COVER SHEET

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**SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT** 

#### **CONVEYING PARTY DATA**

Name	Execution Date
ROLF DIETER BIPPUS	04/03/2017
THOMAS KOEHLER	12/06/2016
MICHAEL GRASS	01/18/2015

# **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:	15316540

# CORRESPONDENCE DATA

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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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Email: jaclyn.busta@philips.com

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

Address Line 1: **465 COLUMBUS AVENUE** 

Address Line 2: SUITE 340

VALHALLA, NEW YORK 10595 Address Line 4:

ATTORNEY DOCKET NUMBER:	2014P00118WOUS
NAME OF SUBMITTER:	DOUGLAS B. MCKNIGHT
SIGNATURE:	/Douglas B. McKnight/
DATE SIGNED:	04/25/2017

### **Total Attachments: 3**

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**PATENT** REEL: 042133 FRAME: 0137 504335773

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

Date

and assign, and transf	er the entire and exclusive ri	ght, title, and interest in the following	ng 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, includ	ling any nominees (collectiv	ely "the Assignee") my/our invention	on for which an application:
is executed concur	rently herewith		
	ne/us on		
		ving a Serial No	******************
		ional Application No. PCT/IB2015	
and all rights in and to	said application, and all ot	ner United States, foreign and intern	ational patent applications associated
therewith, based there	on, or claiming priority ther	efrom including, but not limited to,	any and all provisionals, non-
provisionals divisions	, continuations, continuation	s-in-part, re-examinations, reissues	and extensions thereof, and the right to
claim priority thereto,	and the entire and exclusive	eright, title, and interest in and to ar	ry and all patents granted on these
applications.			
I/We authorize and re	quest that the Patent Office	officials in the United States and in	any and all foreign countries to issue
		the Assignee(s), for its sole use, and	
legal representatives.			
I/We will provide my	our cooperation to enable th	ne Assignee to enjoy the foregoing r	ight, title, and interest to the fullest
extent. Upon request	at the expense of the Assign	ee, 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	oing invention or for perfecting title
thereto in the Assigne	e.		
I/We certify that I/we	have the full right to conve	y the above rights.	
		J. J. Byn	
3.4.2017	(sign name here)		
Date	(print name here)	Rolf Dieter BIPPVS	, Assignor
Date	(print name here)	Thomas KOEHLER	, Assignor

Page 1 of 1

Michael GRASS

(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,

a place of business at I		ight, thic, and interest in the following	to Koninklijke Philips N.V., having
	High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its su	ccessors, assigns, and legal
representatives, includ	ing any nominees (collecti-	vely "the Assignee") my/our invention	for which an application:
is executed concurr	rently herewith		
was executed by m	e/us on		
was filed on	, ha	ving a Serial No.	
was filed on. 26 M	ay 2015, having an Interna	tional Application No. PCT/IB2015/05	53917,
and all rights in and to	said application, and all ot	her United States, foreign and internation	onal patent applications associated
therewith, based thereo	on, or claiming priority the	refrom including, but not limited to, any	y and all provisionals, non-
provisionals divisions,	continuations, continuation	ns-in-part, re-examinations, reissues, ar	nd extensions thereof, and the right to
claim priority thereto, applications.	and the entire and exclusiv	re right, title, and interest in and to any a	and all patents granted on these
I/We authorize and req	uest that the Patent Office	officials in the United States and in any	y and all foreign countries to issue
any and all Letters Pate	ent when granted, solely to	the Assignee(s), for its sole use, and the	at of its successors, assigns, and
legal representatives.			
	_	he Assignee to enjoy the foregoing righnee, I/we agree to execute all papers, ta	
legal proceedings inclu	nding patent prosecution ac r convenient for securing a	etions and infringement actions, and do not maintaining patents on the foregoing	all other such acts which may be
legal proceedings inclunecessary, desirable, or thereto in the Assignee	nding patent prosecution ac r convenient for securing a	etions and infringement actions, and do and maintaining patents on the foregoing	all other such acts which may be
legal proceedings inclunecessary, desirable, or thereto in the Assignee	nding patent prosecution act reconvenient for securing a ct.	etions and infringement actions, and do and maintaining patents on the foregoing	all other such acts which may be
legal proceedings inclunecessary, desirable, on thereto in the Assignee I/We certify that I/we I	nding patent prosecution act reconvenient for securing a securing	etions and infringement actions, and do and maintaining patents on the foregoing	all other such acts which may be g invention or for perfecting title
legal proceedings inclunecessary, desirable, or thereto in the Assignee  I/We certify that I/we I	nding patent prosecution act reconvenient for securing a ct.	etions and infringement actions, and do not maintaining patents on the foregoing by the above rights.	all other such acts which may be
legal proceedings inclunecessary, desirable, or thereto in the Assignee  I/We certify that I/we I	ding patent prosecution acre convenient for securing a	etions and infringement actions, and do not maintaining patents on the foregoing by the above rights.  Rolf Dieter BIPPUS	all other such acts which may be g invention or for perfecting title
legal proceedings inclunecessary, desirable, or thereto in the Assignee	nding patent prosecution act reconvenient for securing a securing	etions and infringement actions, and do not maintaining patents on the foregoing by the above rights.	all other such acts which may be g invention or for perfecting title

Page 1 of 1

and assign, and trans a place of business at	fer the entire and exclusive r High Tech Campus 5,5656	•	
was filed on	ne/us on, ha	ving a Serial Notional Application No. PCT/IB201	
therewith, based thereprovisionals division	eon, or claiming priority the s, continuations, continuation	refrom including, but not limited to ns-in-part, re-examinations, reissue	mational patent applications associated, any and all provisionals, non- s, and extensions thereof, and the right to any and all patents granted on these
	tent when granted, solely to		n any and all foreign countries to issue and 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 paper tions and infringement actions, and	right, title, and interest to the fullest s, take all rightful oaths, testify in all l do all other such acts which may be going invention or for perfecting title
I/We certify that I/we	have the full right to conve	y the above rights.	
Date	(sign name here) (print name here)	Rolf Dieter BIPPUS	, Assignor
Date  ### ### ############################	(print name here)	Thomas KOEHLER	, Assignor
Date	(print name here)	Michael GRAS	, Assignor

Page 1 of 1

PATENT REEL: 042133 FRAME: 0140