PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5515037

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BJORN NICOLAAS SERVATIUS VLASKAMP	01/30/2018
LAURA KLAMING	11/27/2017
MURRAY FULTON GILLIES	08/06/2018

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:	16348654

CORRESPONDENCE DATA

Fax Number: (914)495-9540

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.

Phone: 914-495-9516

Email: noemi.chapa@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:	2016P01291WOUS
NAME OF SUBMITTER:	NOEMI CHAPA
SIGNATURE:	/Noemi Chapa/
DATE SIGNED:	05/09/2019

Total Attachments: 3

source=2016P01291WOUS_ASSIGNMENT#page1.tif source=2016P01291WOUS_ASSIGNMENT#page2.tif source=2016P01291WOUS ASSIGNMENT#page3.tif

PATENT REEL: 049129 FRAME: 0332 505468234

içi

and assign, and transfer if a place of business at Hig	ne entire and exclusive i It Tech Campus 5,5656	we acknowledge receipt. Dwe as a below-naf- right, title, and interest in the following to Ko AE. Eindhover, the Netherlands, its successively "the Assignee") my/our invention for w	ranklijke Prolips N.V., ₁₉₇₀ rs. assigns and legal
is executed concurrent was executed by me/u	s 00		
Lij was filed (m		ving a Scrial No. iona) Application No. PCT/EP2017/078113	
therewith, based thereon, provisionals divisions, co	or claiming priority the Officiations, community	her United States, foreign and international prefrom including, but not limited to, any and its-in-part, re-examinations, ressaus, and extending thic, and interest in and to any and all	dl provisionals, non- usions thereof, and the right
I/We authorize and requestany and all Letters Patent legal representatives.	st that the Paterii Office when granted, solely to	officials in the United States and many and a the Assignce(s), for its sole use, and that of it	If foreign committee to isone some some services sors, assigns, and
extent. Upon request at the legal proceedings metada.	ic expense of the Assign ig patent prosecution as	re Assignee to enjoy the foregoing right, title, nee, I'we agree to execute all papers, take all rith titles and infringement across, and do all rith administration patents on the foregoing invention	ight bulled by less dy in all creach acts which has be
I'We certify that I we hav	e the full right to convey	, the above rights	
40 jan 20,8 Date	(sign name here) (prim name here)	Björn Nicolaus Servatius VI, NKAMP	Assgnor
Dige	(print name here)	Laura KLAMING	Assume
Date	(prusi carde liere)	Marray Fulton GILLIES	Assess

Page 1011

**		we acknowledge receipt, I/we as a below-name ight, title, and interest in the following to Kon	
-		AE, Eindhoven, the Netherlands, its successor	•
		vely "the Assignee") my/our invention for whi	
is executed concurre	ently herewith		
was executed by me	√us on		
was filed on	, ha	ving a Serial No	*****
was filed on. 03 No	v 2017, having an Internat	ional Application No. PCT/EP2017/078113,	
and all rights in and to	said application, and all ot	her United States, foreign and international pa	tent applications associated
therewith, based thereo	n, or claiming priority the	refrom including, but not limited to, any and a	ll provisionals, non-
provisionals divisions,	continuations, continuation	ns-in-part, re-examinations, reissues, and exter	isions thereof, and the right to
claim priority thereto, a	nd the entire and exclusiv	e right, title, and interest in and to any and all	patents granted on these
applications.			
I/We authorize and requ	uest that the Patent Office	officials in the United States and in any and al	l foreign countries to issue
any and all Letters Pate	nt when granted, solely to	the Assignee(s), for its sole use, and that of its	s successors, assigns, and
legal representatives.			
I/We will provide my/o	ur cooperation to enable th	he Assignee to enjoy the foregoing right, title,	and interest to the fullest
extent. Upon request a	t the expense of the Assign	nee, I/we agree to execute all papers, take all ri	ghtful oaths, testify in all
legal proceedings inclu-	ding patent prosecution ac	tions and infringement actions, and do all othe	r such acts which may be
necessary, desirable, or	convenient for securing a	nd maintaining patents on the foregoing inven	tion or for perfecting title
thereto in the Assignee.			
I/We certify that I/we h	ave the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Björn Nicolaas Servatius VLASKAMP	, Assignor
<u> 27 - 11 - 2047</u>			
Date	(print name here)	Laura KLAMING	, Assignor
Date	(print name here)	Murray Fulton GILLIES	, Assignor

Page 1 of 1

PATENT REEL: 049129 FRAME: 0334

U.S.A. Sole/Joint

ASSIGNMENT

-		ve acknowledge receipt, I/we as a below-name	
		ght, title, and interest in the following to Konii	
•		AE, Eindhoven, the Netherlands, its successors	ž. ž.
representatives, includi	ng any nominees (collectiv	ely "the Assignee") my/our invention for whic	n an application:
is executed concurre	moller hamaneith		
	/us on		
		ring a Serial No.	
		onal Application No. PCT/EP2017/078113,	
Will was then our an ide	v zvs i, naving an michian	onat Application (vo. 1 C 1/62 201/10/8115,	
and all rights in and to s	aid application, and all or	ner United States, foreign and international pat	ent annlications associated
		efrom including, but not limited to, any and all	
		is-in-part, re-examinations, reissues, and exten	•
		o right, title, and interest in and to any and all p	
applications.		and the second second the second seco	marco gamara car naver
ap production			
I/We authorize and requ	est 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 that of its	
legal representatives.		•	w.
I/We will provide my/o	ur cooperation to enable th	e Assignee to enjoy the foregoing right, title, a	and interest to the fullest
extent. Upon request at	the expense of the Assign	ee, I/we agree to execute all papers, take all rip	ghtful oaths, testify in all
legal proceedings inclu-	ding patent prosecution ac	ions and infringement actions, and do all other	such acts which may be
necessary, desirable, or	convenient for securing as	nd maintaining patents on the foregoing invent	ion or for perfecting title
thereto in the Assignee.			
I/We certify that I/we h	ave the full right to conve	the above rights.	
	(sign name here)		
Date	(print name here)	Björn Nicolaas Servatius VLASKAMP	, Assignor
		Annual Control of the	
Date	(print name here)	Laura KLAMING	, Assignor

Page 1 of 1

MURRAY GULLES (print name here)

Murray Lille

PATENT REEL: 049129 FRAME: 0335

, Assignor