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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW JOHN LAWRENSON	02/15/2015
JULIAN CHARLES NOLAN	03/02/2015
ALEXANDER HENRICUS WALTHERUS VAN EEUWIJK	09/15/2014
HILBRAND VANDEN WYNGAERT	09/16/2014
WILLIAM NATHAN CHELTON	02/13/2015

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:	15024220	

CORRESPONDENCE DATA

Fax Number:

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: 914-495-9561

Email: gigi.miller@philips.com

Correspondent Name: PHILIPS LIGHTING INTELLECTUAL PROPERTY

Address Line 1: 465 COLUMBUS AVENUE

Address Line 2: SUITE 330

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2013P00331WOUS
NAME OF SUBMITTER:	GIGI MILLER
SIGNATURE:	/GiGi Miller/
DATE SIGNED:	08/07/2017
	<u> </u>

Total Attachments: 4

PATENT REEL: 043213 FRAME: 0834 source=2013P00331WOUS_EXECUTED_ASS#page1.tif source=2013P00331WOUS_EXECUTED_ASS#page2.tif source=2013P00331WOUS_EXECUTED_ASS#page3.tif source=2013P00331WOUS_EXECUTED_ASS#page4.tif

> PATENT REEL: 043213 FRAME: 0835

Date

Date

to

and assign, and transfer a place of business at H	the entire and exclusive r igh Tech Campus 5,5656	we acknowledge receipt, I/we as a below- ight, title, and interest in the following to AE, Eindhoven, the Netherlands, its succ vely "the Assignee") my/our invention fo	Koninklijke Philips N.V., having essors, assigns, and legal
was filed on	/us on, ha	ving a Serial No	
therewith, based thereor provisionals divisions, o	s, or claiming priority there	her United States, foreign and internation refrom including, but not limited to, any a ns-in-part, re-examinations, reissues, and e right, title, and interest in and to any an	and all provisionals, non- extensions thereof, and the right to
		officials in the United States and in any a the Assignee(s), for its sole use, and that	
extent. Upon request at legal proceedings include	the expense of the Assign ling patent prosecution ac	ne Assignee to enjoy the foregoing right, nee, I/we agree to execute all papers, take tions and infringement actions, and do all nd maintaining patents on the foregoing is	all rightful oaths, testify in all other such acts which may be
I/We certify that I/we ha	we the full right to convey	y the above rights.	
15.02.295	(sign name here)	Nhee	
Date 02.03.2±(5	(print name here)	Matihew John LAWRENSON	, Assignor
Date Zasti	(print name here)	Julian Charles NOLAY	, Assignor
Date	(print name here)	Alexander Henricus	Assimor

Page 1 of 1

(print name here)

(print name here)

Waltherus VAN EEUWIJK

William Nathan CHELTON

Hilbrand VANDEN WYNGAERT

, Assignor

, Assignor

For good and val	uable consideration, of which I/s	ve acknowledge receipt, I/we as a below-n	amed Assignor(s), hereby sell,
and assign, and tr	ransfer the entire and exclusive r	ight, title, and interest in the following to I	Coninklijke Philips N.V., having
a place of busines	ss at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its succe	ssors, assigns, and legal
representatives, is	ncluding any nominees (collecti-	vely "the Assignee") my/our invention for	which an application:
is executed co	oncurrently herewith		
was executed	by me/us on	***************************************	
was filed on.	, ha	ving a Serial No	**********
was filed on.	15 Sep 2014, having an Internat	ional Application No. PCT/EP2014/0695	73,
and all rights in a	and to said application, and all of	her United States, foreign and internationa	l patent applications associated
therewith, based	thereon, or claiming priority the	refrom including, but not limited to, any ar	nd all provisionals, non-
provisionals divis	sions, continuations, continuatio	ns-in-part, re-examinations, reissues, and e	xtensions thereof, and the right to
claim priority the applications.	reto, and the entire and exclusiv	e right, title, and interest in and to any and	all patents granted on these
	rs Patent when granted, solely to	officials in the United States and in any ar the Assignee(s), for its sole use, and that o	
extent. Upon req legal proceedings	uest at the expense of the Assign including patent prosecution ac ble, or convenient for securing a	he Assignee to enjoy the foregoing right, to nee, I/we agree to execute all papers, take a tions and infringement actions, and do all nd maintaining patents on the foregoing in	all rightful oatha, testify in all other such acts which may be
I/We certify that	I/we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Matthew John LAWRENSON	, Assignor
	G	1 / / /	, canage and
Date A2 a	(print name here)	Julian Charles NOLAN	, Assignor
<u> </u>	(print name here)	Alexander Kunticus Valtiterus VAN EEUWIJK	, Assignor
Date	(print name here)	Hilbrand VANDEN WYNGAERT	, Assignor
Date	(print name here)	William Nathan CHELTON	, Assignor

Page 1 of 1

a place of business at Hi	gh Tech Campus 5,5656 Al	ht, title, and interest in the following to Koni E, Eindhoven, the Netherlands, its successor ly "the Assignee") my/our invention for whi	s, assigns, and legal
was filed on	us on, havi	ng a Serial No	
therewith, based thereon provisionals divisions, c	, or claiming priority theref ontinuations, continuations	er United States, foreign and international par from including, but not limited to, any and all -in-part, re-examinations, reissues, and exter right, title, and interest in and to any and all p	l provisionals, non- usions thereof, and the right to
•		ficials in the United States and in any and al ne Assignee(s), for its sole use, and that of its	
extents Upon request at legal proceedings includ	the expense of the Assigne ling patent prosecution action	Assignee to enjoy the foregoing right, title, e, I/we agree to execute all papers, take all rions and infringement actions, and do all other maintaining patents on the foregoing inven	ghtful oaths, testify in all er such acts which may be
I/We certify that I/we ha	eve the full right to convey	the above rights.	
Date	(sign name here) (print name here)	Matthew John LAWRENSON	, Assignor
Date	(print name here)	Julian Charles NOLAN	, Assignor
Date	(print name here)	Alexander Henricus Waltherus VAN EEUWHK	, Assignor
16 Systember 2014 Date	(print name here)	Hilbrand VAYDEYWYNGAERT	, Assignor
Date	(print name here)	William Nathan CHELTON	, Assignor

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

Page 1 of 1

and assign, and to a place of busines	ransfer the entire and exclusive rans at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-natight, title, and interest in the following to K AE, Eindhoven, the Netherlands, its successively "the Assignee") my/our invention for the	oninklijke Philips N.V., having sors, assigns, and legal
was executed was filed on.		ving a Serial Noional Application No. PCT/EP2014/06957.	
therewith, based to provisionals divis	thereon, or claiming priority the sions, continuations.	her United States, foreign and international refrom including, but not limited to, any an as-in-part, re-examinations, reissues, and exercise right, title, and interest in and to any and	d all provisionals, non- ktensions thereof, and the right to
	s Patent when granted, solely to	officials in the United States and in any and the Assignee(s), for its sole use, and that o	"
extent. Upon req legal proceedings	uest at the expense of the Assign including patent prosecution ac ole, or convenient for securing a	he Assignee to enjoy the foregoing right, til nee, I/we agree to execute all papers, take a tions and infringement actions, and do all o nd maintaining patents on the foregoing in	Il rightful oaths, testify in all other such acts which may be
I/We certify that I	I/we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Matthew John LAWRENSON	Assignor
Date	(print name here)	Julian Charles NOLAN	* Assignor
Date	(print name here)	Alexander Henricus Waltherus VAN EEUWIJK	, Assignor
Date 13/2/20	(print name here)	Hilbrand VANDEN WYNGAERT	*Assignor
Date	(print name here)	William Nathan CHELTON	, Assignor

Page 1 of 1

RECORDED: 08/07/2017

PATENT REEL: 043213 FRAME: 0839

, Assignor