PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4169475

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW JOHN LAWRENSON	09/28/2016
JULIAN CHARLES NOLAN	09/28/2016
ALEXANDER HENRICUS WALTHERUS VAN EEUWIJK	01/19/2016
HILBRAND VANDEN WYNGAERT	01/15/2016

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:	15316263

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:	2014P00256WOUS
NAME OF SUBMITTER:	GIGI MILLER
SIGNATURE:	/GiGi Miller/
DATE SIGNED:	12/05/2016

Total Attachments: 3

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PATENT 504122805 REEL: 040519 FRAME: 0463

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PATENT REEL: 040519 FRAME: 0464 For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), 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 Hi	gh Tech Campus 5,5656 Al	5, Eindhoven, the Netherlands, its success	ors, assigns, and legal
\$.		y "the Assignee") my/our invention for w	
is executed concurre	ntly berewith		
- W. C. C.	es on	**************************************	
		ıg a Serial No	88 89 8
		nal Application No. PCT/EP2015/061655	
and all rights in and to s	aid application, and all othe	r United States, foreign and international p	patent applications associated
therewith, based thereon	, or claiming priority theref	rom including, but not limited to, any and	all provisionals, non-
provisionals divisions, c	ontinuations, continuations-	in-part, re-examinations, reissues, and ext	ensions thereof, and the right to
claim priority thereto, at	nd the entire and exclusive r	ight, title, and interest in and to any and al	l patents granted on these
applications.		***	
I/We authorize and requ	est that the Patent Office of	ficials in the United States and in any and	all forcien countries to issue
any and all Letters Pater	it when granted, solely to th	e Assignee(s), for its sole use, and that of	its successors, assigns, and
legal representatives.			
I/We will provide my/a	ir cooperation to enable the	Assignee to enjoy the foregoing right, title	e, and interest to the fullest
		e, I/we agree to execute all papers, take all	
		ons and infringement actions, and do all of	
		maintaining patents on the foregoing inve	
thereto in the Assignee	3.000	an nama na manana n a ka rana an manana na manana m	
I/We certify that I/we ha	ive the full right to convey t	he shove rights	
	er a seen seen militar en ansverent a		
29/00/2016	(sign name here)	M.U.	
28/09/2016 Date	(print name here)	Matthew John LAWRENSON	Assignor
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1 X / O / / Lolly Data	(print name here)	Inlian Charles WOV & N	Xxxxxxx
Date	(bini nang mae)	Julian Charles NOLAN	. Assignor
Park.	Section of the sectio	8 (A make www
Date	(print name here)	Alexander Henricus Waltherus VAN EEUWUK	, Assignor
~		***************************************	
Date	(print name here)	Hilbrand VANDEN WYNGAERT	, Assignor

Page 1 of 1

PATENT REEL: 040519 FRAME: 0465 For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

and assign, and tra	nsfer the entire and exclusive i	right, title, and interest in the following to Ko	ninklijke Philips N.V., having
a place of business	s at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its successor	ers, assigns, and legal
representatives, inc	cluding any nominees (collecti	vely "the Assignee") my/our invention for wh	nich an application:
is executed con	acurrently herewith		
was executed b	y me/us on		
was filed on	, ha	ving a Serial No	C18C38C
was filed on. 2	7 May 2015, having an Interna	tional Application No. PCT/EP2015/061655	y
and all rights in an	d to said application, and all of	her United States, foreign and international p	atent applications associated
therewith, based th	nereon, or claiming priority the	refrom including, but not limited to, any and	all provisionals, non-
provisionals divisi-	ons, continuations, continuatio	ns-in-part, re-examinations, reissues, and exte	ensions thereof, and the right t
claim priority there applications.	eto, and the entire and exclusiv	e right, title, and interest in and to any and all	patents granted on these
	Patent when granted, solely to	officials in the United States and in any and a the Assignee(s), for its sole use, and that of i	**
extent. Upon requiegal proceedings i	est at the expense of the Assig including patent prosecution ac le, or convenient for securing a	he Assignee to enjoy the foregoing right, title nee, I/we agree to execute all papers, take all stions and infringement actions, and do all oth and maintaining patents on the foregoing inven	rightful oaths, testify in all er such acts which may be
I/We certify that I/	we have the full right to conve	y the above rights.	
	(sign name here)	's	
Date	(print name here)	Matthew John AWRENSON	, Assignor
Date /4/01/2016	(print name here)	Julian Charles NOLAN	, Assignor
Date	(print name here)	Alexander Henricus Waltherus VAN	, Assignor
Date	(print name here)	Hilbrand VANDEN WYNGAERT	, Assignor

Page 1 of 1

to

and assign, and to a place of busine	ransfer the entire and exclusive ss at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-nar right, title, and interest in the following to Ko AE, Eindhoven, the Netherlands, its success ively "the Assignee") my/our invention for w	minklijke Philips N.V., havin ors, assigns, and legal	g
was executed was filed on.	·	aving a Serial No		
therewith, based to provisionals divis	hereon, or claiming priority the ions, continuations, continuations,	ther United States, foreign and international prefrom including, but not limited to, any and ens-in-part, re-examinations, reissues, and extre right, title, and interest in and to any and al	all provisionals, non- ensions thereof, and the right	
	s Patent when granted, solely to	officials in the United States and in any and the Ass gnee(s), for its sole use, and that of i		
extent. Upon required legal proceedings	uest at the expense of the Assignical including patent prosecution acide, or convenient for securing a	he Assignee to enjoy the foregoing right, title nee, I/we agree to execute all papers, take all stions and infringement actions, and do all oth nd maintaining patents on the foregoing inve	rightful oaths, testify in all er 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)	Maithew John LAWRENSON	, Assignor	
Date	(print name here)	Julian Charles NOLAN	, Assignor	
Date 15 - Jan - Lo	(print name here)	Alexander Henricus Waltherus VAN	, Assignor	
Date	(print name here)	Hilbridge WANDEN WYNGAERT	, Assignor	

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PATENT REEL: 040519 FRAME: 0467

(print name here)