PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JORIS HUBERTUS ANTONIUS HAGELAAR	02/02/2015
GRIGORY ALEXANDROVICH ONUSHKIN	08/22/2016
MARCELLUS JACOBUS JOHANNES VAN DER LUBBE	01/03/2015
RENE THEODORUS WEIGH	07/05/2016
REMY CYRILLE BROERSMA	06/27/2016

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:	14906594

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:	2013P01729WOUS
NAME OF SUBMITTER:	GIGI MILLER
SIGNATURE:	/GiGi Miller/
DATE SIGNED:	08/22/2016
	·

Total Attachments: 5

PATENT REEL: 039493 FRAME: 0942

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> PATENT REEL: 039493 FRAME: 0943

		of which I/we acknowledge receipt, I/we as a below-nar	
-		d exclusive right, title, and interest in the following to Ko	
-	•	npus 5,5656 AE, Eindhoven, the Netherlands, its success	
representat	ives, including any nomin	ees (collectively "the Assignee") my our invention for w	nich an application:
Tis execu	ated concurrently herewith		
	-		
		, having a Serial No	paqualja.
		g an International Application No. PCT/EP2014/077332	
and all righ	nts in and to said application	on, and all other United States, foreign and international	patent applications associated
		priority therefrom including, but not limited to, any and	•
provisional	ls divisions, continuations	, continuations-in-part, re-examinations, reissues, and ex	tensions thereof, and the right to
claim prior	ity thereto, and the entire	and exclusive right, title, and interest in and to any and a	ll patents granted on these
application	55.		
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	•	tatent Office officials in the United States and in any and	~
legal repre	-	ted, solely to the Assignec(s), for its sole use, and that of	ns successors, assigns, and
remen repre-	230433463 6 4 4023		
I/We will r	provide my/our cooperatio	n to enable the Assignee to enjoy the foregoing right, titl	e, and interest to the fullest
•		of the Assignee, I/we agree to execute all papers, take al	
-	•	rosecution actions and infringement actions, and do all o	•
		or securing and maintaining patents on the foregoing inv	•
thereto in t	he Assignee.		
I/We certif	fy that I/we have the full ri	ght to convey the above rights.	
		A de la America	
~~/~~/~ .	🧽 (sign name here)	A Language Marie Comment	
O2/02/201	(print name here)	Jofis Hubgrans Antonius HAGELAAR	Assignor
Line	(promo manes merce)		S. S. Santageous
Date	(print name here)	Grigory Alexandrovich ONESHKIN	, Assignor
***-*-		Botannika, Franka, Fakana a fekat saring kelopaka	
Date	(print name here)	Marcellus Jacobus Johannes VAN DER LUBBE	, Assignor
Date	(print name here)	Rene Theodorus WEGH	, Assignor
Date	(print name here)	Remy Cyrille BROERSMA	, Assignor

and assign a place of	s and transfer the entire ar business at High Tech Ca	to of which I/we acknowledge receipt, I/we as a below-nated exclusive right, title, and interest in the following to K impus 5,5656 AE, Eindhoven, the Netherlands, its successues (collectively "the Assignee") my/our invention for v	oninklijke Philips N.V., having sors, assigns, and legal
	uted concurrently herewit		
		, having a Serial No.	oromyx.
		g an International Application No. PCT/EP2014/07733.	
therewith, provisiona	based thereon, or claiming is divisions, continuations rity thereto, and the entire	on, and all other United States, foreign and international gpriority therefrom including, but not limited to, any and a continuations-in-part, re-examinations, reissues, and exand exclusive right, title, and interest in and to any and a	I all provisionals, non- tensions thereof, and the right to
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extent. Up legal proce necessary,	oon request at the expense edings including patent p	on to enable the Assignee to enjoy the foregoing right, tit of the Assignee, I'we agree to execute all papers, take all rosecution actions and infringement actions, and do all of or securing and maintaining patents on the foregoing inv	I rightful oaths, testify in all ther such acts which may be
EWe certii	y that I we have the full r	ight to convey the above rights.	
	(sign name here)		
Date	(print name here)	Joris Hubertus Antonius HAGELAAR	, Assignor
2 08,20 Date	(print name here)	Grigory Alexandrovich ONUSHKIN	Assignor
Date	(print name here)	Marcellus Jacobus Johannes VAN DER LUBBE	, Assignor
Date	(print name here)	Rene Theodorus WEGH	. Assignor

Remy Cyrille BROERSMA

Date

(print name here)

, Assignor

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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 High Tech Campus 5,5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:

	is ex	xecuted c	oncurrently herewith
	was	executed	by me'us on
	was	filed on.	, having a Serial No.
\boxtimes	was	filed on.	11 Dec 2014, having an International Application No. PCT/EP2014/077332,

and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assigns, and legal representatives.

I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

I/We certify that I/we have the full right to convey the above rights.

	(sign name here)			
Date	(print name here)	Joris Hubertus Antonius HAGELAAR	, Assignor	
	(print panie here)	Grigory Alexandrovich ONUSHKIN	, Assignor	
Date	(primuante here)	Marcellus Jacobus Johannes VAN DER LUBBE	, Assignor	-
Date	(print name here)	Rene Theodorus WEGH	, Assignor	
Date	(print name here)	Remy Cyrille BROERSMA	, Assignor	

Page 1 of 1

and assign, a place of b	and transfer the entire an usiness at High Tech Car	of which I/we acknowledge receipt. I/we as a below-nar dexclusive right, title, and interest in the following to Konpus 5,5656 AE, Eindhoven, the Netherlands, its successes (collectively "the Assignee") my/our invention for w	minklijke Philips N.V., having ors, assigns, and legal
was exe	d on	n, having a Serial No	
therewith, l provisional	pased thereon, or claiming s divisions, continuations ity thereto, and the entire	on, and all other United States, foreign and international page priority therefrom including, but not limited to, any and continuations-in-part, re-examinations, reissues, and extand exclusive right, title, and interest in and to any and a	all provisionals, non- tensions thereof, and the right to
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extent. Up legal proce necessary,	on request at the expense edings including patent p	on to enable the Assignee to enjoy the foregoing right, title of the Assignee, live agree to execute all papers, take all rosecution actions and infringement actions, and do all of or securing and maintaining patents on the foregoing investigations.	rightful oaths, testify in all her such acts which may be
I/We certif	y that lowe have the full r	ight to convey the above rights	
	(sign name here)		
Date	(print name here)	Joris Hubertus Antonius HAGELAAR	Assignor
Date	(print name here)	Grigory Alexandrovich ONUSHKIN	«Assignor
Date 5-7-14	(print name here)	Marcellus Jacobus Johannes VAN DER LUBBE	Assignor
Date Date	(print name here)	Rene Theodirus WEGH	Assignor
Date	(print name here)	Remy Cyrille BROERSMA	, Assignor

and assign a place of	, and transfer the entire an business at High Tech Car	of which I/we acknowledge receipt; I/we as a below-named dexclusive right, title, and interest in the following to Konink npus 5,5656 AE, Eindhoven, the Netherlands, its successors, ees (collectively "the Assignee") my/our invention for which	dijke Philips N.V., having assigns, and legal
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therewith, provisiona	based thereon, or claiming Is divisions, continuations rity thereto, and the entire	on, and all other United States, foreign and international pater a priority therefrom including, but not limited to, any and all p , continuations-in-part, re-examinations, reissues, and extensi and exclusive right, title, and interest in and to any and all pa	provisionals, non- ons thereof, and the right to
any and al	-	ratent Office officials in the United States and in any and all f ted, solely to the Assignee(s), for its sole use, and that of its s	-
extent. Up legal proce necessary,	oon request at the expense eedings including patent p	n to enable the Assignee to enjoy the foregoing right, title, an of the Assignee, I/we agree to execute all papers, take all right rosecution actions and infringement actions, and do all other sor securing and maintaining patents on the foregoing invention	ntful oaths, testify in all such acts which may be
I/We certif	fy that I/we have the full ri	ight to convey the above rights.	
	(sign name here)		
Date	(print name here)	Joris Hubertus Antonius HAGELAAR	, Assignor
Date	(print name here)	Grigory Alexandrovich ONUSHKIN	, Assignor
Date	(print name here)	Marcellus Jacobus Johannes VAN DER LUBBE	, Assignor
Date 23/-6-2	(print name here)	Rene Theodorus WEGH	Assignor
Date	(print name here)	Remy Cyrille BROERSMA	Assignor

PATENT REEL: 039493 FRAME: 0948