PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DIRK VALENTINUS RENÉ ENGELEN	11/20/2014
BARTEL MARINUS VAN DE SLUIS	11/17/2014
PHILIP STEVEN NEWTON	11/24/2014
DZMITRY VIKTOROVICH ALIAKSEYEU	11/24/2014

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:	15038314	

CORRESPONDENCE DATA

Fax Number: (914)332-0615

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: 781 418-9342

Email: kim.larocca@philips.com
Correspondent Name: PHILIPS LIGHTING B.V.
Address Line 1: 465 COLUMBUS AVENUE

Address Line 2: SUITE 330

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2013P01501WOUS
NAME OF SUBMITTER:	MEENAKSHY CHAKRAVORTY
SIGNATURE:	/Meenakshy Chakravorty/
DATE SIGNED:	05/20/2016

Total Attachments: 4

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PATENT REEL: 038659 FRAME: 0964

Date

Date

and assign, and transfer t	he entire and exclusive r	we acknowledge receipt. I/we as a below-nam ight, title, and interest in the following to Kor	ninklijke Philips N.V., having
		AE, Eindhoven, the Netherlands, its successo vely "the Assignce") my/our invention for wh	
is executed concurren	ally herewith		
was executed by me's	•		
		ving a Serial No	
D011137		ional Application No. PCT/IB2014/065732,	
and all rights in and to sa	id application, and all ot	her United States, foreign and international p	atent applications associated
-		refrom including, but not limited to, any and	* **
provisionals divisions, co	entinuations, continuatio	ns-in-part, re-examinations, reissues, and exte	msions thereof, and the right to
	d the entire and exclusiv	e right, title, and interest in and to any and ali	patents granted on these
applications.			
I/We authorize and reque	est that the Patent Office	officials in the United States and in any and a	ill foreign countries to issue
any and all Letters Paten	t when granted, solely to	the Assignec(s), for its sole use, and that of i	ts successors, assigns, and
legal representatives.			
I/We will provide my/ou	r cooperation to enable t	he Assignee to enjoy the foregoing right, title	, and interest to the fullest
* * * * * * * * * * * * * * * * * * * *	· ·	nee, I/we agree to execute all papers, take all	
		tions and infringement actions, and do all oth	
	onvenient for securing a	nd maintaining patents on the foregoing inver	ation or for perfecting title
thereto in the Assignee.			
I/We certify that I/we ha	ve the full right to conve	y the above rights.	
20- Hov-2014	(sign name here)	<u> </u>	
Date	(print name here)	Digh Valentinus René ENGELEN	, Assignor
	(sign name here)		
Date	(print name here)	Bartel Mariaus VAN DE SLUIS	, Assignor
	(sign name here)		

Page 1 of 1

Philip Steven NEWTON

Dzmitry Viktorovich ALIAKSEYEU

(print name here)

(sign name here) (print name here) , Assignor

, Assignor

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 executed concurren	dy herewith
was executed by me/u	\$ OR
was filed on	, having a Serial No.
💢 was filed on. 31 Oct 2	014, having an International Application No. PCT/IB2014/065732,

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)	Dirk Valentinus René ENGELEN	, Assignor
17 Nov. 2014	(sign name here)		
Date	(print name here)	Byrid Marmus VX's DE SLUIS	, Assignor
	(sign name here)		
Date	(print name here)	Philip Steven NEWTON	, Assignor
	(sign name here)		
Date	(print name here)	Dzmitry Viktorovich ALIAKSEYEU	, Assignor

Page 1 of 1

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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:

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	was executed by me/	08 08
	was filed on	, having a Serial No
M	X was filed on. 31 Oct	2014, having an International Application No. PCT/IB2014/965732,

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.

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

	(sign name here)		
Date	(print name here)	Dirk Valentinus René ENGELEN	, Assignor
	(sign name here)		
Date	(print name here)	Bartel Marinus VAN DESLUIS	, Assignor
24-71-14	(sign name here)		
Date	(print name here)	Philip Steven NEWTON	, Assignor
	(sign name here)		
Date	(print name here)	Dzmitry Viktorovich ALIAKSEYEU	, Assignor

Page 1 of 1

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

		ight, title, and interest in the following to Kor AE, Eindhoven, the Netherlands, its successo	
		vely "the Assignee") my/our invention for wh	
is executed concurre	ntly herewith		
was executed by me	us on	MANANA MANANA MANANANANA	
was filed on		ving a Serial No	XQXQ
was filed on, 31 Oct	2014, having an Internati	onal Application No. PCT/IB2014/065732,	
and all rights in and to s	aid application, and all of	her United States, foreign and international po	atent applications associated
		efrom including, but not limited to, any and a	
**	***	us-in-part, re-examinations, reissues, and exte	
-	nd the entire and exclusive	e right, title, and interest in and to any and all	patents granted on these
applications.			
·		officials in the United States and in any and a the Assignee(s), for its sole use, and that of i	
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		he Assignee to enjoy the foregoing right, title	
	•	nee, I/we agree to execute all papers, take all	
		tions and infringement actions, and do all oth	·
	convenient for securing a	nd maintaining patents on the foregoing inve	ation of for perfecting title
thereto in the Assignee.			
I/We certify that I/we ha	ave the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Dirk Valentinus René ENGELEN	, Assignor
	(sign name here)		
Date	(print name here)	Bartel Mariaus VAN DE SLUIS	, Assignor
	(sign name here)		
Date	(print name here)	Philip Steven NEWTON	, Assignor
24.11.2014	(sign name here)	La Designation of the second	
Date	(print name here)	Dzmitry Viktorovich ALIAKSEYEU	, Assignor

Page 1 of 1

PATENT REEL: 038659 FRAME: 0968