PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3891301

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PHILIP STEVEN NEWTON	11/12/2014
TIM DEKKER	10/11/2014
TATIANA ALEKSANDROVNA LASHINA	12/01/2014
BARTEL MARINUS VAN DE SLUIS	11/10/2014
DZMITRY VIKTOROVICH ALIAKSEYEU	11/14/2014

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:	15039644	

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**

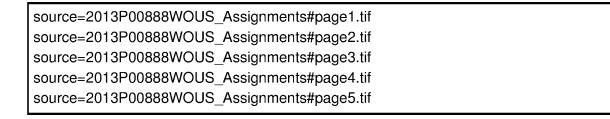
Address Line 2: **SUITE 330**

VALHALLA, NEW YORK 10595 Address Line 4:

ATTORNEY DOCKET NUMBER:	2013P00888WOUS
NAME OF SUBMITTER:	MEENAKSHY CHAKRAVORTY
SIGNATURE:	/Meenakshy Chakravorty/
DATE SIGNED:	05/26/2016

Total Attachments: 5

PATENT REEL: 038728 FRAME: 0815



PATENT REEL: 038728 FRAME: 0816

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 concurrently herewith
	was executed by me/us on
	was filed onhaving a Serial No
X	was filed on, 16 Nov 2014, having an International Application No. PCT/IB2014/065911.

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 Assignec(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.

11/12/2014	(sign name here)		
Date	(primi name here)	Profito Steven NEWTON	, Assignor
Date	(print name here)	Tim DEKKER	, Assignor
Date	(print name here)	Tatisna Aleksandrovna LASHINA	, Assignor
Date	(print name here)	Bartel Marinus VAN DE SLUIS	, Assignor
Date	(print name here)	Dzmitry Viktorovich ALIAKSEYEU	, Assignor

Page 1 of 1

		ve acknowledge receipt, I/we as a below-nan ight, title, and interest in the following to Ko	
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=-	···	AE, Eindhoven, the Netherlands, its successi	
representatives, meno	ang any nonunoes (concorr	ely "the Assignee") my/our invention for wl	iion an apparaion.
is executed concur	rrently herewith		
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was filed on	, ha	ving a Serial No	SARANOS
		ional Application No. PCT/IB2014/065911.	
and all rights in and to	o said application, and all ot	her United States, foreign and international p	eatent applications associated
therewith, based there	on, or claiming priority the	refrom including, but not limited to, any and	all provisionals, non-
provisionals divisions	, continuations, continuation	us-in-part, re-examinations, reissues, and ext	ensions thereof, and the right to
•		e right, title, and interest in and to any and al	
applications.			
I/We authorize and re	quest that the Patent Office	officials in the United States and in any and	all foreign countries to issue
any and all Letters Pa	tent 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 t	he Assignce to enjoy the foregoing right, title	e, and interest to the fullest
extent. Upon request	at the expense of the Assign	nce, I/we agree to execute all papers, take all	rightful caths, testify in all
legal proceedings inc	luding patent prosecution ac	tions and infringement actions, and do all of	her such acts which may be
necessary, desirable,	or convenient for securing a	nd maintaining patents on the foregoing inve	ntion or for perfecting title
thereto in the Assigne	₩ .		
I/We certify that I/we	have the full right to conve	y the above rights.	
	(sign name here)		<u></u>
Date	(print name here)	Philip Steven NEWTON	, Assignor
10-11-2014			
Date	(print name here)	Tim TENNENG min	, Assignor
Date	(print name here)	Tatiana Aleksandrovna LASHINA	, Assignor
	(print name here)	Barrel Mariaus VAN DE SLUIS	A newtowner
Date	there means record	enggy and those regime in extra doubt and expension	, Assignor

Page 1 of 1

Dzmitry Viktorovich ALIAKSEYEU

(print name here)

Date

, Assignor

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

a place of business at	High Tech Campus 5,5656	ight, title, and interest in the following to Ko AE, Eindhoven, the Netherlands, its successively "the Assignee") my/our invention for w	ors, assigns, and legal
is executed concur	rently herewith		
was executed by n	ne/us on	<u> </u>	
was filed on		ying a Serial No	*******
		ional Application No. PCT/IB2014/065911,	
and all rights in and to	said application, and all of	her United States, foreign and international p	patent applications associated
therewith, based there	on, or claiming priority the	refrom including, but not limited to, any and	all provisionals, non-
provisionals divisions	, continuations, continuation	ns-in-part, re-examinations, reissues, and ext	ensions thereof, and the right to
claim priority thereto, applications.	and the entire and exclusiv	e right, title, and interest in and to any and al	l patents granted on these
	Fig. 1. Section 1. Sec	officials in the United States and in any and the Assignee(s), for its sole use, and that of	· ·
I/We will provide my	our cooperation to enable the	he Assignee to enjoy the foregoing right, title	e, and interest to the fullest
		nce, I/we agree to execute all papers, take all	
7 7		tions and infringement actions, and do all oti	
We will be a second of the sec		nd maintaining patents on the foregoing inve	
thereto in the Assigne	- 1		
I/We certify that I/we	have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Philip Steven NEWTON	, Assignor
Date	(print name here)	Tim DEKKER	. Assignor
1. December 201	4 Loshina	- 10 10 10 10 10 10 10 10 10 10 10 10 10	
Date	(print name here)	Tatiana Aleksapdrovna LASHINA	, Assignor
Dáte	(print name here)	Bartel Marious VAN DE SLUIS	, Assignor
Date	(print name here)	Demitry Viktorovich ALIAKSEYEU	, Assignor

Page 1 of 1

and assign, and tra a place of business	mafer the entire and exclusive ri s at High Tech Campus 5,5656 .	re acknowledge receipt, true as a below-han ght, title, and interest in the following to Ko AE, Eindhoven, the Netherlands, its success- rely "the Assignee") my/our invention for w	ninklijke Philips N.V., having ors, assigns, and legal
is executed con	acurrently berewith		
was executed l	y me/us on	e	
was filed on	, ha	ving a Serial No	\$004.65% ¢
was filed on. 1	0 Nov 2014, having an Internsti	ional Application No. PCT/IB2014/065911,	
therewith, based the provisionals divisionals	hereon, or claiming priority then ions, continuations, continuation	her United States, foreign and international perform including, but not limited to, any and ins-in-part, re-examinations, reissues, and exteright, title, and interest in and to any and al	all provisionals, non- ensions 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 of	
extent. Upon required legal proceedings	est at the expense of the Assign including patent prosecution ac sle, or convenient for securing a	ne Assignee to enjoy the foregoing right, titl- nee, I/we agree to execute all papers, take all tions and infringement actions, and do all ot nd maintaining patents on the foregoing invi	rightful oaths, testify in all her 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)	Philip Steven NEWTON	, Assignor
Date	(print name here)	Tim DEKKER	, Assignor
Date 10 Nov. 2014	(print name here)	Tatiana Aleksandrovna LASHINA	, Assignor
Date	(print name here)	Basid Morinos VAN DE SLUIS	, Assignor

Page 1 of 1

Dzmitry Viktorovich ALIAKSEYEU

(print name here)

, Assignor

10

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

and assign, and trac	isfer the entire and exclusive r	ight, title, and interest in the following to Kor	iinklijke Philips N.V., havin
a place of business	at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its successo	rs, assigns, and legal
representatives, inc	luding any nominees (collectiv	cly "the Assignee") my/our invention for wh	ich an application:
is executed con-	currently herewith		
was executed by	y me'us on	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
was filed on	, ha	ving a Serial No	******
was filed on. 10	Nov 2014, having an Internat	ional Application No. PCT/IB2014/065911,	
and all rights in and	i to said application, and all of	her United States, foreign and international pr	atent applications associated
therewith, based the	ereon, or claiming priority ther	efrom including, but not limited to, any and a	ill provisionals, non-
provisionals divisio	ons, continuations, continuation	ns-in-part, re-examinations, reissues, and exte	nsions thereof, and the right
claim priority there	to, and the entire and exclusive	e 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 a	Ill foreign countries to issue
any and all Letters	Patent when granted, solely to	the Assignce(s), for its sole use, and that of i	ts successors, assigns, and
legal representative	3.		
I/We will provide t	ny/our cooperation to enable t	he Assignee to enjoy the foregoing right, title	, and interest to the fullest
extent. Upon requi	est at the expense of the Assign	nee, I/we agree to execute all papers, take all	rightful oaths, testify in all
legal proceedings i	ncluding patent prosecution ac	tions and infringement actions, and do all oth	er such acts which may be
necessary, desirabl	e, or convenient for securing a	nd maintaining patents on the foregoing inver	ation or for perfecting title
thereto in the Assig	mee.		
I/We certify that I/s	we have the full right to conve	y the above rights.	
	C.	,	
	(sign name here)		
Date	(print name here)	Philip Steven NEWTON	Assignor
Date	(print name here)	Tim DEKKER	- Assignor
Date	(print name here)	Tatiana Aleksandrovna LASHINA	, Assignor
Date	(print name here)	Bartel Marinus VAN DE SLUIS	Assignor
//////////////////////////////////////	(print name here)	Dzmijsty Viktorovich ALIAKSEYEU	, Assignor

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PATENT REEL: 038728 FRAME: 0821