PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ASHISH VIJAY PANDHARIPANDE	01/13/2015
HONGMING YANG	01/13/2015
XIANGYU WANG	02/01/2015
ARMAND MICHEL MARIE LELKENS	01/16/2015

RECEIVING PARTY DATA

Name:	PHILIPS LIGHTING HOLDING B.V.
Street Address:	HIGH TECH CAMPUS 45
City:	EINDHOVEN
State/Country:	NETHERLANDS
Postal Code:	5656 AE

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15110266	

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:	2013P01370WOUS
NAME OF SUBMITTER:	MEENAKSHY CHAKRAVORTY
SIGNATURE:	/Meenakshy Chakravorty/
DATE SIGNED:	07/07/2016

Total Attachments: 4

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PATENT 503905285 REEL: 039102 FRAME: 0323

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PATENT REEL: 039102 FRAME: 0324

Date

•	r	we acknowledge receipt, I/we as a below-na	
*		ight, title, and interest in the following to K	
a place of business at I	High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its success	sors, assigns, and legal
representatives, includ	ing any nominees (collectiv	vely "the Assignee") my/our invention for w	vhich an application:
is executed concur	rently herewith		
	e/us on		
		ving a Serial No	
		ional Application No. PCT/EP2014/079415	
and all rights in and to	said application, and all of	her United States, foreign and international	patent applications associated
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		refrom including, but not limited to, any and	
		ns-in-part, re-examinations, reissues, and ex	
•		e right, title, and interest in and to any and a	•
applications.	and the characteristic execution	s right, and, and university and to may made	a parente granica en area.
I/We authorize and rec	quest that the Patent Office	officials in the United States and in any and	t all foreign countries to issue
any and all Letters Pat	ent 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 Assignee to enjoy the foregoing right, tit	le, and interest to the fullest
extent. Upon request a	n the expense of the Assign	nee, I/we agree to execute all papers, take al	l rìghtful oaths, testify in all
legal proceedings inch	iding patent prosecution ac	tions and infringement actions, and do all o	ther such acts which may be
necessary, desirable, o	r convenient for securing a	nd maintaining patents on the foregoing inv	ention or for perfecting title
thereto in the Assigned	۶.		
I/We certify that I/we	have the full right to conve	y the above rights.	
Jan 13, 2015	(sign name here)	Ashish	
Date	(print name here)	Ashish Vijay PANDHARIPANDE	, Assignor
Date	(print name here)	Hongming YANG	, Assignor
Date	(print name here)	Xiangya WANG	, Assignor

Page 1 of 1

Armand Michel Marie LELKENS

(print name here)

, Assignor

and assign, and transfe a place of business at 1	consideration, of which I/we or the entire and exclusive right High Tech Campus 5,5656 AE ing any nominees (collectively	t, title, and interest in the fo E. Eindhoven, the Netherlan	dlowing to Koninl	dijke Philips N.V., having assigns, and legal
was filed on	rently herewith  Sus on, havin  c 2014, having an Internation	g a Serial No		.,
therewith, based there provisionals divisions.	said application, and all other on, or claiming priority therefi continuations, continuations-i and the entire and exclusive ri	om including, but not limite in-part, re-examinations, rei	ed to, any and all p ssues, and extensi	provisionals, non- ons thereof, and the right to
	quest that the Patent Office off ent when granted, solely to the			•
extent. Upon request legal proceedings incl	our cooperation to enable the a at the expense of the Assignee ading patent prosecution action r convenient for securing and	, I/we agree to execute all p as and infringement actions	apers, take all rigi , and do all other	ntful oaths, testify in all such acts which may be
I/We certify that I/we	have the full right to convey th	ne above rights.		
	(sign name here)			
Date 13/0//2015	(print name here)	Ashish Vijay PANDHARI	PANDE	, Assignor
Date Date	HMMAING YANG (print name here)	Hongming YANG		. Assignor

U.S.A. Sole/Joint

Date

Date

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Xiangya WANG

Armand Michel Marie LELKENS

(print name here)

(print name here)

PATENT REEL: 039102 FRAME: 0326

, 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 trai	nsfer the entire and exclusive i	right, title, and interest in the following to Ko	oninklijke Philips N.V., having
a place of business	at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its success	ors, assigns, and legal
representatives, inc	luding any nominees (collecti	vely "the Assignee") my/our invention for w	hich an application:
is executed con	currently herewith		
was executed by	y me/us on	, 6746, 746, 746, 746, 746, 746, 746, 74	
was filed on	, hs	iving a Serial No	103403403
was filed on. 30	) <b>Dec 2014</b> , having an Internat	ional Application No. PCT/EP2014/079415	·
		dan Trajani Santan Cantan and Jasan at a santan	
•••		ther United States, foreign and international	, ,,
	• •	refrom including, but not limited to, any and	•
-		us-in-part, re-examinations, reissues, and ex	•
•	xo, and the entire and exclusiv	re right, title, and interest in and to any and a	n 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
	·	the Assignee(s), for its sole use, and that of	<del>"</del>
legal representative	•		on annual martines were
1755	****		
I/We will provide a	my/our cooperation to enable t	he Assignee to enjoy the foregoing right, titl	e, and interest to the fullest
•	-	nee, I/we agree to execute all papers, take all	
	-	ctions and infringement actions, and do all of	
	- · ·	and maintaining patents on the foregoing inv	<del>-</del>
thereto in the Assis	<del>-</del>	position and the state of the s	annual or you begoes annual move
	Anna an		
I/We certify that I/s	we have the full right to conve	ev the above rights.	
	to a sum to sum a sum a subject and a sum of the	A was and a sufficient	
	(sign name here)		
Date	(print name here)	Ashish Vijay PANDHARIPANDE	, Assignor
Date	(print name here)	Hongming YANG	, Assignor
1 Feb 2015		and	
Date	(print name here)	Xiangyu WANG	, Assignor
XX	TUTUUTT. ANTONINGOODHAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		
Date	(print name here)	Armand Michel Marie LELKENS	, Assignor

Page 1 of 1

PATENT REEL: 039102 FRAME: 0327

and assign, and tra a place of business	nnsfer the entire and exclusive r s at High Tech Campus 5,5656	ve acknowledge receipt, I/we as a below-n ight, title, and interest in the following to be AE, Eindhoven, the Netherlands, its succeively "the Assignee") my/our invention for	Coninklijke Philips N.V., having ssors, assigns, and legal
is executed con	ncurrently herewith		
☐ was executed b	y meus on	102010101010101010N0N0N0N0	
was filed on	md ,	ving a Serial No	en we swone es
was filed on. 3	Dec 2014, having an Internet	ional Application No. PCT/EP2014/07941	5,
and all rights in ar	nd to said application, and all ot	her United States, foreign and international	patent applications associated
therewith, based th	hereon, or claiming priority the	refrom including, but not limited to, any an	d all provisionals, non-
provisionals divisi	ons, continuations, continuation	ns-in-part, re-examinations, reissues, and e	xtensions thereof, and the right t
claim priority ther 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 an the Assignee(s), for its sole use, and that o	· ·
extent. Upon requiregal proceedings	est at the expense of the Assign including patent prosecution ac le, 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 o nd maintaining patents on the foregoing in	ll rightful oaths, 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.	
her 16 # 20	(sign name here)		
Date	(print name here)	Ashish Vijay PANDHARIPANDE	, Assignor
Date	(print name here)	Hongming YANG	, Assignor
Date (6 4 10)	(print name here)	Xiangyu WANG	, Assignor
Date	(print name here)	Armand Michel Marie LELKENS	, Assignor

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PATENT REEL: 039102 FRAME: 0328 ŧo