PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4976737

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PETRUS ANTONIUS VERBEEK	11/16/2016
BIJU KUMAR SREEDHARAN NAIR	11/16/2016
CORNELIS ANTONIUS VERBAKEL	12/22/2016

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:	15778849

CORRESPONDENCE DATA

Fax Number: (914)495-9570

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: jo.cangelosi@lighting.com

PHILIPS LIGHTING HOLDING B.V. **Correspondent Name:**

Address Line 1: **465 COLUMBUS AVENUE**

Address Line 2: **SUITE 330**

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2015P01262WOUS
NAME OF SUBMITTER:	DANIEL J. PIOTROWSKI
SIGNATURE:	/Daniel J. Piotrowski/
DATE SIGNED:	05/24/2018

Total Attachments: 3

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PATENT REEL: 045895 FRAME: 0148 504929991

U.S.A. Sole/Joint

		ve acknowledge receipt, I/we as a below-r	
		ght, title, and interest in the following to	
		45, S656 AE, Eindhoven, the Netherlands	
representatives, including	g any nominees (collectiv	rely "the Assignee") my/our invention for	which an application:
is executed concurren	atly herewith		
was executed by me/	is on		
was filed on	, ha	ving a Serial No	•••••
\boxtimes was filed on. 16 Nov	2016, having an Internat	ional Application No. PCT/EP2016/0777	93,
and all rights in and to sa	id application, and all of	her United States, foreign and internations	al patent applications associated
therewith, based thereon,	, or claiming priority the	efrom including, but not limited to, any a	nd all provisionals, non-
provisionals divisions, co	ontinuations, continuation	ns-in-part, re-examinations, reissues, and	extensions thereof, and the right to
claim priority thereto, an	d the entire and exclusive	e right, title, and interest in and to any and	all patents granted on these
applications.			
I/We authorize and reque	est that the Patent Office	officials in the United States and in any a	nd all foreign countries to issue
		the Assignee(s), for its sole use, and that	-
legal representatives.			, , ,
~ '			
I/We will provide my/ou	r cooperation to enable the	ne Assignee to enjoy the foregoing right, t	itle, and interest to the fullest
		nee, I/we agree to execute all papers, take	
		tions and infringement actions, and do all	· ·
		nd maintaining patents on the foregoing in	
thereto in the Assignee.			, ,
u u			
I/We certify that I/we ha	ve the full right to conve	y the above rights.	
			ماني
,/ / /		De Marie	
Nov. 16,2016	(sign name here)	Le de la companya de	
Date	(print name here)	Petrus Antonius VERBEEK	, Assignor
	(sign name here)		
Date	(print name here)	Biju Kumar Sreedbaran NAIR	, Assignor
	(sign name here)		

Page 1 of 1

Cornelis Antonius VERBAKEL

(print name here)

Date

, Assignor

Date

Date

Date

and assign, and transfer the entire and exclusive right, title, and interest in the following to Philips Lighting Holding B.V., having a place of business at High Tech Campus 45, 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
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.

Page 1 of 1

Petrus Antonius VERBEEK

Biju Kumar Sreedharan NAIR

Cornelis Antonius VERBAKEL

(sign name here)

(print name here)

(sign name here) (print name here)

(sign name here)
(print name here)

, Assignor

, 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 Philips Lighting Holding B.V.,

		5, 5656 AE, Eindhoven, the Netherlands, ely "the Assignee") my/our invention for	
is executed concurr	ently herewith		
	e/us on	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		ing a Serial No	********
		onal Application No. PCT/EP2016/07779	
and all rights in and to	said application, and all oth	er United States, foreign and internationa	l patent applications associated
_		efrom including, but not limited to, any ar	
		s-in-part, re-examinations, reissues, and e	-
		right, title, and interest in and to any and	-
•	•	fficials in the United States and in any an he Assignee(s), for its sole use, and that o	
extent. Upon request a legal proceedings include	at the expense of the Assignation of the Assignation action action action action and an action of the convenient for securing and action of the action of the convenient for securing and action of the action of th	e Assignee to enjoy the foregoing right, ti ee, I/we agree to execute all papers, take a ions and infringement actions, and do all d maintaining patents on the foregoing in	all rightful oaths, testify in all other such acts which may be
I/We certify that I/we	have the full right to convey	the above rights.	
	(sign name here)		
Date	(print name here)	Petrus Antonius VERBEEK	, Assignor
	(sign name here)		
Date	(print name here)	Biju Kumar Sreedharan NAIR	, Assignor
38	e.W		
Date 2016-12-22	Cor Verbakel	Cornelis Antonius VERBAKEL	. Assignor

Page 1 of 1

PATENT REEL: 045895 FRAME: 0151

, Assignor