504297127 03/29/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KUMAR ARULANDU	05/09/2016
JEAN-PAUL MARIE GERARD LINNARTZ	03/09/2017
EUGEN JACOB DE MOL	05/20/2016
DMYTRO VIKTOROVYCH MALYNA	05/18/2016
HENRICUS MARIUS JOSEPH MARIA KAHLMAN	08/31/2016

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:	15161328

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@philips.com

Correspondent Name: PHILIPS LIGHTING HOLDING B.V.

Address Line 1: 465 COLUMBUS AVENUE

Address Line 2: SUITE 330

Address Line 4: VALHALLA, NEW YORK 10595

Total Attachments F	
DATE SIGNED:	03/29/2017
SIGNATURE:	/Daniel J. Piotrowski/
NAME OF SUBMITTER:	DANIEL J. PIOTROWSKI
ATTORNEY DOCKET NUMBER:	2015P00273WOUS

Total Attachments: 5

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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 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
] was filed on, having a Serial No
X	was filed on, 84 May 2016, having an International Application No. PCT/EP2016/059968.

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 is 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)	*Kamar ARULANDU	, Assignor
	(sign name here)		
Date	(print name here)	Jean-Paul Marie Gerard LINNARTZ	, Assignor
	(sign name here)		
Date	(print name here)	Eugen Jacob DE MOL	, Assignor
	(sign name here)		
Date	(print name here)	Dmytro Viktorovych MALYNA	, Assignor
	(sign name here)		
Dale	(print name here)	Henricus Marius Joseph Maria	, Assignor
		KAHLMAN	

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representatives, including any nominees (collectively "the Assignes") my/our invention for which an application;

is ex	xecuted concurrently herewith
was	executed by me'us on
was	filed on having a Serial No
	filed on. 04 May 2016, having an International Application No. PCT/EP2016/059968.

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

	(sign name here)		
Date	(print name here)	Kumar ARULANDU	, Assignor
CAMINA WA	(sign name here)	17/2/14/2014	
Date	(print name here)	Man-Paul Marts Gerard LINNARTZ	, Assignor
	(sign name here)		
Date	(print name here)	Eugen Jacob DE MOL	, Assignor
	(sign name here)		
Date	(print name here)	Dmytro Viktorovych MALYNA	, Assigner
	(sign name here)		
Date	(print name here)	Henricus Marius Joseph Maria	, Assignor
		KAHIMAN	

Page 1 of 1

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representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:

	is ex	secuted concurrently herewith
	was	executed by me us on
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	(sign name here)		
Date	(print name here)	Kumar ARULANDU	, Assignor
	(sign name here)		
Date	(print name here)	Jean-Paul Marie Gerard LINNARTZ	, Assignor
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LL2420	,	or a part adeix	1001114
Date*	(print name here)	Eugen Jacob DE MOL	// /// ################################
	(sign name here)		
Date	(print name here)	Dmytro Viktorovych MALYNA	, Assignor
	(sign name here)		
Date	(print name here)	Henricus Marius Joseph Maria	, Assignor
		KAHLMAN	

Page 1 of 1

to

18-05-2018

Date

Date

(sign name here)

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and assign, and train	nsfer the entire and exclusive ri usiness at High Tech Campus	ve acknowledge receipt, I/we as a below-name ight, title, and interest in the following to Phili 45, 5656 AE, Eindhoven, the Netherlands, its rely "the Assignee") my*our invention for whi	ps Lighting Holding B.V., successors, assigns, and legal
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therewith, based th provisionals division	ereon, or claiming priority ther	her United States, foreign and international parefrom including, but not limited to, any and a ns-in-part, re-examinations, reissues, and exter in and to any and all	Il provisionals, non- usions thereof, and the right to
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Date	(sign name here)	Kumar ARULANDU	, Assignor
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Date	(print name here) (sign name here)	Jean-Paul Marie Gerard LINNARTZ	, Assignor
Date	(print name here)	Eugen Jacob DE MOL	, Assignes

Page 1 of 1

KAHLMAN

Dmytro Viktorovych MALYNA

Henricus Marius Joseph Maria

PATENT REEL: 041790 FRAME: 0250

, Assignor

, Assigner

and assign, and the	ransfer the entire and exclusive r f business at High Tech Campus	we acknowledge receipt, I/we as a below-namight, title, and interest in the following to Phil 45, 5656 AE, Eindhoven, the Netherlands, its vely "the Assignee") my/our invention for wh	ips Lighting Holding B.V., successors, assigns, and legal
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extent. Upon reclegal proceeding necessary, desire thereto in the As	quest at the expense of the Assign is including patent prosecution ac able, or convenient for securing a	he Assignee to enjoy the foregoing right, title, nee, I/we agree to execute all papers, take all rations and infringement actions, and do all oth and maintaining patents on the foregoing inverse y the above rights.	ightful oaths, testify in all er such acts which may be
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	(sign name here)	**************************************	
	(print name here)	Kumar ARULANDU	, Assignor
	(sign name here)		
Date	(print name here)	Jean-Paul Marie Gerard LINNARTZ	, Assignor
	(sign name here)		
Date	(print name here)	Eugen Jacob DE MOL	, Assignor
	(sign name here)		
Date	(print name here)	Dmytro Viktorovych MALYNA	. Assignor

Page 1 of 1

KAHLMAN

Henricus Maria Joseph Maria

(print name here)

RECORDED: 03/29/2017

PATENT REEL: 041790 FRAME: 0251

, Assignor