PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4543302

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RENE THEODORUS WEGH	07/05/2016
MARTIJN JOCHEM VAN UDEN	03/01/2016
TIES VAN BOMMEL	02/24/2016

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:	15549913

CORRESPONDENCE DATA

Fax Number:

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: 914-495-9561

Email: gigi.miller@philips.com

PHILIPS LIGHTING INTELLECTUAL PROPERTY **Correspondent Name:**

Address Line 1: **465 COLUMBUS AVENUE**

Address Line 2: SUITE 330

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2014P01430WOUS
NAME OF SUBMITTER:	GIGI MILLER
SIGNATURE:	/GiGi Miller/
DATE SIGNED:	08/09/2017

Total Attachments: 3

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PATENT REEL: 043248 FRAME: 0428 504496599

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.
M	was filed on, 11 Feb 2016, having an International Application No. PCT/EP2016/052900

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.

5-7-16	(sign name here)	CA	
Date	(print name here)	Æcné Theodorus WEGH	, Assignor
	(sign name here)		
Date	(print name here)	Martija Jochem VAN UDEN	, Assignor
	(sign name here)		
	· ·		
Date	(print name here)	Ties VAN BOMMEL	. Assignor

representatives, including any nominees (collectively "the Assignee") my/our invention for which an application: having a place of business at High Tech Campus 45, 5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal and assign, and transfer the entire and exclusive right, title, and interest in the following to Philips Lighting Holding B.V., For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

is executed concurrently herewith was executed by me/us on, having a Serial No
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PATENT REEL: 043248 FRAME: 0430

claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, nonand all rights in and to said application, and all other United States, foreign and international patent applications associated

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 authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue

necessary, destrable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be extent. Upon request at the expense of the Assignee, I'we agree to execute all papers, take all rightful oaths, testify in all thereto in the Assignee. I/We will provide my/our cooperation to enable the Assignce to enjoy the foregoing right, title, and interest to the fullest

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

Date	1-3-2016 Date	Date
(sign name here)	(sign name here)	(sign name here) (print name here)
Ties VAN BOMMEL	Martijn Jochem VAN LIDEN	René Theodorus WEGH
, Assignor	, Assignor	Assignor

Date

RECORDED: 08/09/2017

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

having a place of l	ousiness at High Tech Campus	ight, title, and interest in the following to 45, 5656 AE, Eindhoven, the Netherland vely "the Assignee") my/our invention fo	ls, its successors, assigns, and legal
was executed by was filed on		ving a Serial No	
therewith, based to provisionals divisi	nereon, or claiming priority thereons, continuations, continuations,	her United States, foreign and internation refrom including, but not limited to, any ns-in-part, re-examinations, reissues, and e right, title, and interest in and to any ar	and all provisionals, non- l extensions thereof, and the right to
	s Patent when granted, solely to	officials in the United States and in any the Assignee(s), for its sole use, and tha	-
extent. Upon requiegal 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, nee, I/we agree to execute all papers, take tions and infringement actions, and do a nd maintaining patents on the foregoing	e all rightful oaths, testify in all
I/We certify that I	/we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	René Theodorus WEGH	, Assignor
	(sign name here)	8 J. 17 . 7 . 7	
Date	(print name here)	Martijn Jochem VAN UDEN	, Assignor
76	L (clan name here)		

Page 1 of 1

Ties VAN BOMMEL

(print name here)

PATENT REEL: 043248 FRAME: 0431

, Assignor