505551518 06/30/2019

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5598319

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARKUS JOZEF MARIA KURVERS	04/24/2019
BARTEL MARINUS VAN DE SLUIS	12/18/2017
BAS DRIESEN	12/21/2017
BERENT WILLEM MEERBEEK	12/15/2017

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:	16475112	

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@signify.com

Correspondent Name: SIGNIFY INTELLECTUAL PROPERTY

465 COLUMBUS AVENUE Address Line 1:

Address Line 2: SUITE 330

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2016P80182WOUS
NAME OF SUBMITTER:	GIGI MILLER
SIGNATURE:	/GiGi Miller/
DATE SIGNED:	06/30/2019

Total Attachments: 4

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PATENT REEL: 049633 FRAME: 0823

and assign, and transfer the	e entire and exclusive ri at High Tech Campus 4	e acknowledge receipt, I/we as a below-nar ght, title, and interest in the following to Ph i5, 5656 AE, Eindhoven, the Netherlands, it ely "the Assignee") my/our invention for w	ilips Lighting Holding B.V., s successors, assigns, and legal
	s on hav	ring a Serial No	
therewith, based thereon, provisionals divisions, co	or claiming priority ther ntinuations, continuation	ner United States, foreign and international person including, but not limited to, any and is-in-part, re-examinations, reissues, and exemple, title, and interest in and to any and a	all provisionals, non- tensions thereof, and the right to
		officials in the United States and in any and the Assignee(s), for its sole use, and that of	
extent. Upon request at t legal proceedings includi	he expense of the Assign ng patent prosecution ac	ne Assignee to enjoy the foregoing right, tith nee, I/we agree to execute all papers, take all tions and infringement actions, and do all o nd maintaining patents on the foregoing inv	I rightful oaths, testify in all ther such acts which may be
I/We certify that I/we ha	ve the full right to conve	y the above rights.	
24 APR 2019	(sign name here)		91
Date	(print name here) <	Markus Jözef Maria KURVERS	Assignor
	(sign name here)		
Date	(print name here)	Bartel Marinus VAN DE SLUIS	, Assignor

Berent Willem MEERBEEK

Bas DRIESEN

(sign name here)

(print name here)

(sign name here)
(print name here)

Date

Date

, Assignor

, Assigner

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

		right, title, and interest in the following to s 45, 5656 AE, Eindhoven, the Netherland	
		tively "the Assignee") my/our invention fo	
is executed concurr	ently herewith		
_	a/us on		
was filed on		aving a Scrial No	eraudakenkhek
was filed on. 15 De	e 2017, having an Interna	itional Application No. PCI/EP2017/0830	96,
and all rights in and to	said application, and all c	other United States, foreign and internation	al patent applications associated
therewith, based thereo	n, or claiming priority th	erefrom including, but not limited to, any a	nd all provisionals, non-
		ons-in-part, re-examinations, reissues, and	
claim priority thereto, a applications.	and the entire and exclusi	ve right, title, and interest in and to any and	I all patents granted on these
		e officials in the United States and in any a to the Assignec(s), for its sole use, and that	
extent. Upon request at legal proceedings includ	the expense of the Assig ling patent prosecution a	the Assignee to enjoy the foregoing right, t mee, I/we agree to execute all papers, take ctions and infringement actions, and do all and maintaining patents on the foregoing in	all rightful oaths, testify in all other such acts which may be
I/We certify that I/we h	ave the full right to conve	ry the above rights	
	(sign name here)		
Date	(print name here)	Markus Jozef Maria KURVERS	, Assignor
	SS. 1 111 1 200000017	-4-x-1	3.000000
18 Dec 2012	(sign name here)		
Date /	(print name here)	Barkel Marians VAN-DE SLUIS	, Assignor
	(sign name here)		
Date	(print name here)	Bas DRIESEN	, Assignor
	(sign name here)		
)ate	(print name here)	Berent Willem MEERBEEK	, 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.,
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 e	xecuted co	oncurrently herewith
	was	executed	by me'us on
	was	filed on.	, having a Serial No.
\boxtimes	was	filed on.	15 Dec 2017, having an International Application No. PCT/EP2017/083096,

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.

	(sign name here)		
Date	(print name here)	Markus Jozef Maria KURVERS	, Assignor
	(sign name here)		
Date	(print name here)	Bartel Marinus VAN DE SLUIS	, Assignor
71-12-17	(sign name here)		
Date	(print name here)	Bas DRIESEN	, Assignor
21-12-17	(sign name here)		
Date	(print name here)	Berent Willem MEERBEEK	, Assignor

U.S.A. Sole/Joint

and assign, and transfe having a place of busin	r the entire and exclusive tess at High Tech Campu	/we acknowledge receipt, I/we as a below-n right, title, and interest in the following to I s 45, 5656 AE, Eindhoven, the Netherlands, tively "the Assignee") my/our invention for	Philips Lighting Holding B.V., its successors, assigns, and legal
is executed concum	rently herewith		
was executed by m	e/us on		
		aving a Serial Notional Application No. PCT/EP2017/08309	
	900 T 7000000 20	other United States, foreign and internationa erefrom including, but not limited to, any an	7.0 7.
		ons-in-part, re-examinations, reissues, and e	
		ve right, title, and interest in and to any and	
550		e officials in the United States and in any an o the Assignee(s), for its sole use, and that o	
extent. Upon request a legal proceedings inclu	t the expense of the Assig ding patent prosecution a convenient for securing :	the Assignee to enjoy the foregoing right, ti- mee, I/we agree to execute all papers, take a ctions and infringement actions, and do all o and maintaining patents on the foregoing in	ll rightful oaths, testify in all other such acts which may be
L/We certify that I/we h	have the full right to convo	ey the above rights.	
	(sign name here)		
Date	(print name here)	Markus Jozef Maria KURVERS	, Assignor
	(sign name here)		
Date	(print name here)	Bartel Marinus VAN DE SLUIS	, Assignor
	(sign name here)		
Date / L.	(print name here)	Bas DRIESEN	, Assignor

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, Assignor