505902908 02/06/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5949609

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
ZHI QUAN CHEN	10/25/2019
XIANHUI ZHANG	04/18/2018
HAIMIN TAO	04/18/2018

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:	16607471

CORRESPONDENCE DATA

Fax Number: (914)769-4916

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: 781-418-9187

Email: jo.cangelosi@signify.com SIGNIFY 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:	2017P80084WOUS01
NAME OF SUBMITTER:	DANIEL J. PIOTROWSKI
SIGNATURE:	/DANIEL J. PIOTROWSKI/
DATE SIGNED:	02/06/2020

Total Attachments: 3

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PATENT REEL: 051739 FRAME: 0392 505902908

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

Date

and assign, and tran	isfer the entire and exclusive r	ight, title, and interest in the follow	wing to Philips Lighting Holding B.V.,
having a place of b	usiness at High Tech Campus	45, 5686 AE, Eindhoven, the Netl	nerlands, its successors, assigns, and legal
representatives, inc	luding any nominees (collectiv	vely "the Assignee") my/our inver	ntion for which an application:
is executed cons	currently herewith		
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•		ving a Serial No	**************************************
		ional Application No. PCT/EP20	
and all rights in and	I to said application, and all of	her United States, foreign and into	rnational patent applications associated
therewith, based the	ereon, or claiming priority ther	efrom including, but not limited t	o, any and all provisionals, non-
provisionals divisio	ns, confinuations, continuation	ns-in-part, re-examinations, reissu	es, and extensions thereof, and the right to
claim priority there applications.	to, and the entire and exclusive	e right, title, and interest in and to	any and all patents granted on these
			in any and all foreign countries to issue
		the Assignee(s), for its sole use, a	and that of its successors, assigns, and
legal representative	š.		
			g right, title, and interest to the fullest
	· ·	•	rs, take all rightful oaths, testify in all
			d do all other such acts which may be
		nd maintaining patents on the force	going invention or for perfecting title
thereto in the Assig	gace.		
I/We certify that I/s	we have the full right to conve	y the above rights.	
2019.10.00	(sign name here)	MEG	
Date	(print name here)	Zhi, Quan CHEN	, Assignor
Date	(print name here)	Xiaohui ZHANG	, Assignor

Page 1 of 1

Haimin TAO

(print name here)

, Assignor

See cossed and undiretiles	consideration, of which the	e nokuroja ledgio reoselpit, il we os is belova-na	nod Assinow(s), horeby tell,	
and assign, and transfer	the eaths and exclusive tig	dit, title, and interest in the following to Pi	olips Lighting Holding B V.,	
having a place of hasin	ess ar High Toots Campus 40	5, 5656 AE, Hindboven, the Netherlands, i	is successors, assigns, and legal	그는 이 돈 하를 맞았다. 이 그렇게 보이 그리고 하는 맛있다. 그리고 하는 것이 없다.
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	mi when graning, solely in it	he Assignabis), for his sole use, and that of	His successors, assigns, and	
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DWe will provide toylour compension to enable the Assigner to valve temporary right, like, and interest to the fullest		le, and interest to the fullest		
extent. Upon request a	s the expense of the Assigne	ce, 1/100 agree to execute all papers, take of	i eightin eaths, testify it all	
legal proceedings inch	ding patem prosecution acts	ons and intriogerous actions, and detail o	ther such acts which may be	
necessary, decirable, or	convenient for securing an	d maintaining patends on the foregoing im	ention or for perfecting life	
thereto in the Assignme				
t/We certify that I/wo i	ame the full right to unavey	the above rights.		
	(cign name here)	Zhi, Quan CREN	Andrews	
Bate	(Butlet destric prais)	enter spices yearnes	, Acsignor	
Date-	(printinúme bare)	Kinshsi ZHANG	, Aasigner	
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Ducket No. 2017P80054WO 01US

ASSEGNMENT

PATENT REEL: 051739 FRAME: 0394 For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

and assign, and trar	nsfer the entire and exclusive r	ight, title, and interest in the follo	wing to Philips Lighting Holding B.V.,
having a place of b	usiness at High Tech Campus	45, 5656 AE, Eindhoven, the Netl	herlands, its successors, assigns, and legal
representatives, inc	luding any nominees (collectiv	vely "the Assignee") my/our inver	ntion for which an application:
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is executed con	•		
	y me/us on		
		ving a Serial No	
⊠ was filed on. 18	Apr 2018, having an Internat	ional Application No. PCT/EP20	18/059843,
and all rights in and	i to said application, and all ot	her United States, foreign and inte	ernational patent applications associated
therewith, based the	ereon, or claiming priority the	refrom including, but not limited t	to, any and all provisionals, non-
provisionals division	ons, continuations, continuation	ns-in-part, re-examinations, reissu	ies, and extensions thereof, and the right to
claim priority there	to, and the entire and exclusiv	e 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
	•		and that of its successors, assigns, and
legal representative			, 4
_			g right, title, and interest to the fullest
	-		ers, take all rightful oaths, testify in all
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		nd maintaining patents on the fore	egoing invention or for perfecting title
thereto in the Assig	mee.		
I/We certify that I/s	we have the full right to conve	v the above rights.	
,	J		
	(sign name here)		
Date	(print name here)	Zhi, Quan CHEN	Apploman
0_901849	(hum name nere)	with Lucia Parcia	, Assignor
Date	(print name here)	Xianhui ZHANG	, Assignor
18 APR 2018		Howmin Tr	
Date	(print name here)	Kaimin TAO	, Assignor

Page 1 of 1

PATENT REEL: 051739 FRAME: 0395

RECORDED: 02/06/2020