504645080 11/16/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4691800

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FETZE PIJLMAN	10/27/2013
WILHELMUS PETRUS ADRIANUS JOHANNUS MICHIELS	09/13/2013
CORNELIS GERARDUS MARIA DE HAAS	09/05/2013
MENNO VAN BAARDWIJK	09/05/2013
JOCHEN RENAAT VAN GHELUWE	09/03/2013
SIEBE TJERK DE ZWART	11/15/2017
THEODORUS JOHANNES PETRUS VAN DEN BIGGELAAR	10/13/2013
MICHEL CORNELIS JOSEPHUS MARIE VISSENBERG	09/03/2013
MAARTEN MARINUS JOHANNES WILHELMUS VAN HERPEN	11/01/2013

RECEIVING PARTY DATA

Name:	KONINKLIJKE PHILIPS N.V.	
Street Address:	HIGH TECH CAMPUS 5	
City:	EINDHOVEN	
State/Country:	NETHERLANDS	
Postal Code:	5656 AE	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14007407

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@lighting.com

Correspondent Name: PHILIPS LIGHTING INTELLECTUAL PROPERTY

Address Line 1: 465 COLUMBUS AVENUE

Address Line 2: SUITE 330

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2011P00377WOUS
NAME OF SUBMITTER:	GIGI MILLER

SIGNATURE:	/GiGi Miller/	
DATE SIGNED:	11/16/2017	
Total Attachments: 16		
source=2011P00377WOUS_EXECUTE	D_ASS#page1.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page2.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page3.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page4.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page5.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page6.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page7.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page8.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page9.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page10.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page11.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page12.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page13.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page14.tif	
source=2011P00377WOUS_EXECUTE	D_ASS#page15.tif	

source=2011P00377WOUS_EXECUTED_ASS#page16.tif

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 Koninklijke Philips N.V., having a place of business High Tech Campus 5, 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
🔀 was filed on. 2012-Mar-30, having an International Application No. PCT/IB2012/051558,
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, _e-examinations, reissues, and extensions thereof, and the right

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.

to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these

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.

applications.

22-10-2013	(sign name here)		
<u>2,7-10-2013</u> Date	(print name here)	Fette PLLNAN	, Assignor
Date	(print name here)	Wilhelmus Peirus Adrianus MICHIELS	, Assignor
Date	(print name here)	Cornells Gerardus Maria DE HAAS	, Assignor
Date	(print name here)	Menno VAN BAARDWIJK	, Assignor
Date	(print name here)	Jochen Rensat VAN GHELUWE	, Assignor
Date	(print name here)	Siebe Tjerk DE ZWART	, Assignor
Date	(print name here)	Theodorus Johannes Peirus VAN DEN BIGGELAAR	, Assignor

Date	(print name here)	Michel Cornelis Josephus Marie VISSENBERG	, Assignor
Date	(print name here)	Maarten Marinus Johannes	, Assignor
		Wilhelmus VAN HERPEN	

and assign, and transfer a place of business at Hi	the entire and exclusive r gh Tech Campus 5,5656	we acknowledge receipt, I/we as a below-nan ight, title, and interest in the following to Ko AE, Eindhoven, the Netherlands, its successo yely "the Assignee") my/our invention for wh	ninklijke Philips N.V., having ors, assigns, and legal
is executed concurred was executed by me/	ntly herewith	************************************	
		ving a Serial No	
therewith, based thereon provisionals divisions, co	, or claiming priority ther ontinuations, continuation	her United States, foreign and international prefrom including, but not limited to, any and assin-part, re-examinations, reissues, and externing the title, and interest in and to any and all	all provisionals, non- ensions thereof, and the right to
· · · · · · · · · · · · · · · · · · ·		officials in the United States and in any and a the Assignee(s), for its sole use, and that of i	
extent. Upon request at t legal proceedings includi	he expense of the Assign ng patent prosecution act onvenient for securing ar	te Assignee to enjoy the foregoing right, title ee, I/we agree to execute all papers, take all tions and infringement actions, and do all other maintaining patents on the foregoing inverted the above rights.	rightful oaths, testify in all er such acts which may be
	• · · · · · · · • • • · · · · · • • • •	<u> </u>	
	(sign name here)		
Date	(print name here)	Fetze PIJLMAN	, Assignor
Date 13-9-2013	(print name here)	Wilhelmus Petrus Adrianus Johannus MICHIELS	, Assignor
Date	(print name here)	Cornelis Gerardus Maria DE HAAS	, Assignor
Date	(print name here)	Menno VAN BAARDWIJK	, Assignor
Date	(print name here)	Jochen Renaut VAN GHELUWE	, Assignor
Date	(print name here)	Siebe Tjerk DE ZWART	, Assignor
Date	(print name here)	Theodorus Johannes Petrus VAN	, Assignor

DEN BIGGELAAR

Date	(print name here)	Michel Cornelis Josephus Marie VISSENBERG	, Assignor
Date	(print name here)	Maarten Marinus Johannes	, Assignor
		Wilhelmus VAN HERPEN	

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 Koninklijke Philips N.V., having
a place of business at High Tech Campus 5,5656 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
\boxtimes	was filed on. 30 Mar 2012, having an International Application No. PCT/IB2012/051558,

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)	Fetze PIJLMAN	, Assignor
Date 05-04-2013	(print name here)	Wilhelmus Petrus Adrianus Johannus MICHIELS	, Assignor
Date 7	(print name here)	Cornelis Gerardus Maria DK HAAS	(Asterior)
Date	(print name here)	Menno VAN BAARDWIK	Ssignor
Date	(print name here)	Jochen Renaat VAN GHELUWE	, Assignor
Date	(print name here)	Siebe Tjerk DE ZWART	, Assignor
Date	(print name here)	Theodorus Johannes Petrus VAN DEN BIGGELAAR	, Assignor

REEL: 044476 FRAME: 0885

Date	(print name here)	Michel Cornelis Josephus Marie VISSENBERG	, Assignor
Date	(print name here)	Maarten Marinus Johannes Wilhelmus VAN HERPEN	, Assignor

U.S.A. Sole/Joint

and assign, and trans a place of business at	fer the entire and exclusive t High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-nam- ight, title, and interest in the following to Kon AE, Eindhoven, the Netherlands, its successor vely "the Assignee") my/our invention for wh	inklijke Philips N.V., having rs, assigns, and legal
is executed concu	urrently herewith		
was executed by	me/us on		
was filed on	, ha	ving a Serial No	*****
was filed on. 30 I	Var 2012 , having an Interna	tional Application No. PCT/IB2012/051558,	
therewith, based ther provisionals division	eon, or claiming priority the s, continuations, continuatio	her United States, foreign and international parefrom including, but not limited to, any and ans-in-part, re-examinations, reissues, and extere right, title, and interest in and to any and all	ll provisionals, non- nsions thereof, and the right to
	atent when granted, solely to	officials in the United States and in any and a the Assignee(s), for its sole use, and that of it	•
extent. Upon reques	t at the expense of the Assign fluding patent prosecution ac or convenient for securing a	he Assignee to enjoy the foregoing right, title, nee, I/we agree to execute all papers, take all retions and infringement actions, and do all other nd maintaining patents on the foregoing inven	ightful oaths, testify in all er such acts which may be
I/We certify that I/we	e have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Fetze PIILMAN	, Assignor
Date	(print name here)	Wilhelmos Petrus Adrianus Johannus MICHIELS	, Assignor
Date	(print name here)	Cornelis Gerardus Maria DE HAAS	, Assignor
Date	(print name here)	Menno VAN BAARDWIJK	, Assignor
Date	(print name here)	Jothen Renast VAN GHELUWE	, Assignor
Date	(print name here)	Siebe Tjerk DE ZWART	, Assignor
Date	(print name here)	Theodorus Johannes Petrus VAN	, Assignor

DEN BIGGELAAR

Date	(print name here)	Michel Cornelis Josephus Marie VISSENBERG	, Assignor
Date	(print name here)	Maarten Marinus Johannes	, Assignor
		Wilhelmus VAN HERPEN	

and assign, and to a place of busine	ransfer the entire and exclusive i iss at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-nam ight, title, and interest in the following to Kor AE, Eindhoven, the Netherlands, its successo vely "the Assignee") my/our invention for wh	inklijke Philips N.V., having rs, assigns, and legal
	oncurrently herewith		
	by me/us on	ving a Serial No.	
		tional Application No. PCT/1B2012/051558 ,	in the contract of the contrac
therewith, based provisionals divi	theresm, or claiming priority the sions, continuations, continuation	her United States, foreign and international parefrom including, but not limited to, any and a ns-in-part, re-examinations, reissues, and exte e right, title, and interest in and to any and all	Il provisionals, non- usions thereof, and the right t
	rs Patent when granted, solely to	officials in the United States and in any and a the Assignec(s), for its sole use, and that of it	
extent. Upon rec legal proceeding necessary, desira thereto in the As	puest at the expense of the Assign s including patent prosecution ac ble, or convenient for securing a	he Assigner to enjoy the foregoing right, title, nee, I/we agree to execute all papers, take all re tions and infringement actions, and do all othe nd maintaining patents on the foregoing inver- y the above rights.	ightful coaths, testify in all or such acts which may be
	8.5		
Dute	(sign name here) (print name here)	Feize PIJI.MAN	Assignor
Date	(print name here)	Withelmus Petrus Adrianus Johannus MICHIELS	, Assignor
Date	(print name here)	Cornelis Gerardus Maria DE HAAS	. Assignor
Date	(print name here)	Messas VAN BAAMSWIJK	, Assignor

Jochén Renaat VAN GHELUWE

Thendorus Johannes Petrus VAN

Siebe Tjerk DE ZWART

DEN BIGGELAAR

(print name here)

(print name here)

(print name here)

Date

Date

PATENT REEL: 044476 FRAME: 0889

, Assignor

, Assignor

, Assignor

83

Date	(print name here)	Michel Cornelis Josephus Marie VISSENBERG	, Assignor
Date	(print name here)	Maarten Marinus Johannes	, Assignor
		Wilhelmus VAN HERPEN	

For good and valuable	consideration, of which I'w	e acknowledge receipt, I/we as a below-name	d Assignor(s), hereby sell,			
and assign, and transfe	and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips N.V., having					
a place of business at	a place of business at High Tech Campus 5,5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal					
representatives, include	ling any nominees (collectiv	ely "the Assignee") my/our invention for which	ch an application:			
is executed concur	rently herewith					
was executed by m	ie us on	***************************************				
was filed on	, hav	ring a Serial No	****			
was filed on. 30 M	far 2012, having an Internati	ional Application No. PCT/IB2012/051558,				
and all rights in and to	said application, and all oth	ter United States, foreign and international pat	ent applications associated			
therewith, based there	on, or claiming priority there	efrom including, but not limited to, any and all	l provisionals, non-			
provisionals divisions	, continuations, continuation	s-in-part, re-examinations, reissues, and exten	sions thereof, and the right to			
claim priority thereto,	and the entire and exclusive	right, title, and interest in and to any and all p	atents granted on these			
applications.						
I/We authorize and re	quest that the Patent Office of	officials in the United States and in any and all	foreign countries to issue			
any and all Letters Pa	tent 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 th	e Assignee to enjoy the foregoing right, title, a	and interest to the fullest			
	•	ee, I/we agree to execute all papers, take all rip				
	•	ions and infringement actions, and do all other				
		nd maintaining patents on the foregoing invent	·			
thereto in the Assigne	e s	•	•			
I/We certify that I/we	have the full right to convey	the above rights.				
2 / C 042/42/						
	(sign name here)					
Date	(print name here)	Fetze PIJLMAN	3 Assignor			
Date	(print name here)	Wilhelmus Petrus Adrianus Johannus	Assignor			
T- 2000	Therese consists size of	MICHIELS	g r sousagerers			

	· • ·		
Date	(print name here)	Fetze PIJLMAN	3 Assignor
Date	(print name here)	Wilhelmus Petrus Adrianus Johannus MICHIELS	, Assignor
Date	(print name here)	Cornelis Gerardus Maria DE HAAS	, Assignor
Date	(print name here)	Menno VAN BAARDWIJK	, Assignor
Date	(print name here)	Jochen Renast VAN GHELUWE	, Assignor
Date	(print name here)	Siebe Tjerk DE ZWART	, Assignor
<u> </u>	Tyrini numbe fiere)	Theodorus Johannes Petrus VAN DEN BIGGELAAR	, Assignor

Date	(print name here)	Michel Cornelis Josephus Marie VISSENBERG	, Assignor
Date	(print name here)	Maarten Marinus Johannes	, Assignor
		Wilhelmus VAN HERPEN	

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

a place of busine	ess at High Tech Campus 5,5656	right, title, and interest in the following to Kon AE, Eindhoven, the Netherlands, its successor vely "the Assignee") my/our invention for wh	rs, assigns, and legal
is executed c	oncurrently herewith		
was executed	i by me/us on		
was filed on.	, ha	wing a Serial No	*****
was filed on.	30 Mar 2012, having an Interna	tional Application No. PCT/IB2012/051558,	
therewith, based provisionals divi	thereon, or claiming priority the isions, continuations, continuations,	ther United States, foreign and international parefrom including, but not limited to, any and a ns-in-part, re-examinations, reissues, and extere right, title, and interest in and to any and all	Il provisionals, non- nsions thereof, and the right to
	ers Patent when granted, solely to	officials in the United States and in any and a the Assignee(s), for its sole use, and that of it	•
extent. Upon re- legal proceeding necessary, desira thereto in the As	quest at the expense of the Assig 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 retions and infringement actions, and do all other and maintaining patents on the foregoing inventy the above rights.	ightful oaths, testify in all er such acts which may be
	(sign name here)		
Date	(print name here)	Fetze PIJLMAN	, Assignor
Date	(print name here)	Wilhelmos Petrus Adrianus Johannus MICHIELS	, Assignor
Date	(print name here)	Cornelis Gerardus Maria DE HAAS	, Assignor
Date	(print name here)	Menno VAN BAARDWIJK	, Assignor
Date	(print name here)	Jochen Renaut VAN GHELUWE	, Assignor
Date	(print name here)	Siebe Tjerk DE ZWART	, Assignor
Date	(print name here)	Theodorus Johannes Petrus VAN DEN BIGGELAAR	, Assignor

35695 2013		1963	
Date	(print name here)	Michel Cornells Josephus Marie VISSENBERG	, Assignor
Date	(print name here)	Maarten Marinus Johannes	, Assignor
		Wilhelmus VAN HERPEN	

Date

(print name here)

and assign, and trans a place of business a	fer the entire and exclusive ri t High Tech Campus 5,5656	re acknowledge receipt, I/we as a below-name ght, title, and interest in the following to Kon AE, Eindhoven, the Netherlands, its successor ely "the Assignee") my/our invention for whi	inklijke Philips N.V., having s, assigns, and legal
was filed on	me/us on, hav	ving a Serial Noional Application No. PCT/IB2012/051558,	
therewith, based the provisionals division	reon, or claiming priority ther is, continuations, continuation	ner United States, foreign and international pa efrom including, but not limited to, any and a is-in-part, re-examinations, reissues, and exter eright, title, and interest in and to any and all	Il provisionals, non- nsions thereof, and the right to
	atent when granted, solely to	officials in the United States and in any and a the Assignee(s), for its sole use, and that of it	"
extent. Upon reques	t at the expense of the Assign cluding patent prosecution act or convenient for securing at	te Assignee to enjoy the foregoing right, title, ee, I/we agree to execute all papers, take all rations and infringement actions, and do all other maintaining patents on the foregoing inven	ightful oaths, testify in all er such acts which may be
I/We certify that I/w	e have the full right to convey	the above rights.	
	(sign name here)		
Date	(print name here)	Fetze PIJLMAN	, Assignor
Date	(print name here)	Withelmus Petrus Adrianus Johannus MICHIELS	, Assignor
Date	(print name here)	Cornelis Gerardus Maria DE HAAS	, Assignor
Date	(print name here)	Menno VAN BAARDWIJK	, Assignor
Date	(print name here)	Jochen Rensat VAN GHELUWE	, Assignor
Date	(print name here)	Siebe Tjerk DE ZWART	, Assignor

Theodorus Johannes Petrus VAN

DEN BIGGELAAR

PATENT REEL: 044476 FRAME: 0895

, Assignor

Date	(print name here)	Michel Cornelis Josephus Marie	, Assignor
1 nov 2013		VISSENBERG	
Date	(print name here)	Maarten Marinus Johannes	, Assignor
		Wilhelmus VAN HERPEN	

PATENT REEL: 044476 FRAME: 0896

RECORDED: 11/16/2017