503897723 06/30/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3944374

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TIES VAN BOMMEL	10/21/2014
PETER JOSEF SCHMIDT	10/21/2014
MARTINUS PETRUS JOSEPH PEETERS	10/21/2014
RENE THEODORUS WEGH	10/20/2014
GERARDUS WILHELMUS GERBE VAN DREUMEL	10/22/2014
RENE JAN HENDRIKS	06/30/2016
CHRISTOPH GERARD AUGUSTUS HOELEN	06/13/2016

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:	14763861

CORRESPONDENCE DATA

Fax Number: (650)396-5550

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: 650 965 8005

Email: us-ip@patentlawgroup.com
Correspondent Name: PATENT LAW GROUP

Address Line 1:465 FAIRCHILD DRIVE, SUITE 125Address Line 4:MOUNTAIN VIEW, CALIFORNIA 94043

ATTORNEY DOCKET NUMBER:	2012P02072WOUS
NAME OF SUBMITTER:	DAVID C. HSIA
SIGNATURE:	/David C Hsia/
DATE SIGNED:	06/30/2016

PATENT REEL: 039058 FRAME: 0930

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Total Attachments: 7 source=2012P02072WOUS_Signed_Assignment#page1.tif source=2012P02072WOUS_Signed_Assignment#page2.tif source=2012P02072WOUS_Signed_Assignment#page3.tif source=2012P02072WOUS_Signed_Assignment#page4.tif source=2012P02072WOUS_Signed_Assignment#page5.tif source=2012P02072WOUS_Signed_Assignment#page6.tif source=2012P02072WOUS_Signed_Assignment#page7.tif

PATENT REEL: 039058 FRAME: 0931

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:

	s executed concurrently herewith
	vas executed by me/us on
	vas filed on, having a Serial No.
\times	vas filed on, 25 Feb 2014, having an International Application No. PCT/IB2014/059228,

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, nonprovisionals 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 Assignce.

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

11-10 - Thene	(sign name here)		
Date	(print name here)	Ties VAN BOMMEL	, Assignor
Date	(print name here)	Peter Josef SCHMIDT	, Assignor
Date	(print name here)	Martinus Petrus Joseph PEETERS	, Assignor
Date	(print name here)	René Theodorus WEGH	, Assignor
Date	(print name here)	Gerardus Wilhelmus Gerbe VAN DREUMEL	, Assignor
Date	(print name here)	René Jan HENDRIKS	, Assignor
Date	(print name here)	Christoph Gerard August HOELEN	, Assignor

N 4

PATENT REEL: 039058 FRAME: 0932

Date

Date

and assign, and transfer a place of business at E	the entire and exclusive ri ligh Tech Campus 5,5656 A	e acknowledge receipt, I/we as a below-narght, title, and interest in the following to Ko AE, Eindhoven, the Netherlands, its successely "the Assignee") my/our invention for w	oninklijke Philips N.V., having ors, assigns, and legal
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		officials in the United States and in any and the Assignee(s), for its sole use, and that of	
extent. Upon request a legal proceedings inclu	t the expense of the Assign ding patent prosecution act convenient for securing ar	e Assignce to enjoy the foregoing right, titl ee, I/we agree to execute all papers, take all ions and infringement actions, and do all ot ad maintaining patents on the foregoing inve	rightful oaths, testify in all her such acts which may be
I/We certify that I/we h	save the full right to convey	the above rights.	
	(sign name here)		
Date	(print name here)	Ties VAN BOMMEL	, Assignor
2014-10-21	SCHMIDT	Lex hundly	
Date	(print name here)	Peter Josef SCHMIDT	, Assignor
Date	(print name here)	Martinus Petrus Joseph PEETERS	, Assignor
Date	(print name here)	René Theodorus WEGH	, Assignor
Date	(print name here)	Gerardus Wilhelmus Gerbe VAN DREUMEI.	, Assignor

René Jan HENDRIKS

Christoph Gerard August HOELEN

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PATENT REEL: 039058 FRAME: 0933

, Assignor

and assign, and transfer a place of business at H	the entire and exclusive righ Tech Campus 5,5656	re acknowledge receipt, I/we as a below-nanght, title, and interest in the following to KoAE, Eindhoven, the Netherlands, its successfully "the Assignee") my/our invention for whether the successful the successful to the success	oninklijke Philips N.V., having ors, assigns, and legal
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I/We certify that I/we ha	ave the full right to convey	the above rights.	
	(sign name here)		
Date	(print name here)	Ties VAN BOMMEL	, Assignor
Date 2/-10-2014	(print name here)	Peter Josef SCHMIDT	, Assignor
Date	(print name here)	Martinus Petrus Joseph PEETERS	, Assignor
Date	(print name here)	René Theodorus WEGH	, Assignor
Date	(print name here)	Gerardus Wilhelmus Gerbe VAN DREUMEL	, Assignor
Date	(print pame here)	René Jan HENDRIKS	Assimor

Christoph Gerard August HOELEN

Date

(print name here)

PATENT REEL: 039058 FRAME: 0934

-		ve acknowledge receipt, I/we as a below-nan ight, title, and interest in the following to Ko	•
a place of business at	High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its success	ors, assigns, and legal
representatives, inclu	ding any nominees (collectiv	vely "the Assignee") my/our invention for w	hich an application:
is executed concu	rrently herewith		
wasan.	ne/us on		
		ving a Serial No.	£3#£3#£3
		ional Application No. PCT/IB2014/059228,	
and all rights in and t	o said application, and all ot	her United States, foreign and international p	patent applications associated
		refrom including, but not limited to, any and	* •
		ns-in-part, re-examinations, reissues, and ext	
		e right, title, and interest in and to any and al	
applications.			, ,
I/We authorize and re	couest that the Patent Office	officials in the United States and in any and	all foreign countries to issue
	•	the Assignee(s), for its sole use, and that of	•
legal representatives.	-	*	
I/We will provide my	our cooperation to enable t	he Assignee to enjoy the foregoing right, title	e, and interest to the fullest
	_	iee, I/we agree to execute all papers, take all	
		tions and infringement actions, and do all ot	· · ·
		nd maintaining patents on the foregoing inve	•
thereto in the Assigne	€e.		, ,
I/We certify that I/wo	have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Ties VAN BOMMEL	, Assignor
Date	(print name here)	Peter Josef SCHMIDT	, Assignor
Date	(print name here)	Martinus Petrus Joseph PEETERS	, Assignor
20-10-14		<u>Caa</u>	
Date	(print name here)	René Theòdorus WEGH	, Assignor
Date	(print name here)	Gerardus Wilhelmus Gerbe VAN	, Assignor
	•	DREUMEL.	, w
Date	(print name here)	René Jan HENDRIKS	, Assignor

PATENT REEL: 039058 FRAME: 0935

, Assignor

Christoph Gerard August HOELEN

Date

(print name here)

U.S.A. Sole/Joint

ASSIGNMENT

Date	(print name here)	Ties VAN BOMMEL	, Assignor
	(sign name here)		·
I/We certify that I/v	re have the full right to convey	the above rights.	
extent. Upon reque legal proceedings in	st at the expense of the Assign cluding patent prosecution act , or convenient for securing ar	te Assignee to enjoy the foregoing riee, I/we agree to execute all papers, tions and infringement actions, and and maintaining patents on the foregoing	take all rightful oaths, testify in all do all other such acts which may be
	atent when granted, solely to	officials in the United States and in a the Assignee(s), for its sole use, and	any and all foreign countries to issue I that of its successors, assigns, and
therewith, based the provisionals division	reon, or claiming priority them as, continuations, continuation	efrom including, but not limited to,	and extensions thereof, and the right to
was filed on	me/us on, hav	ring a Serial Noonal Application No. PCT/IB2014/	
and assign, and trans a place of business a	fer the entire and exclusive right High Tech Campus 5,5656		

Peter Josef SCHMIDT

Martinus Petrus Joseph PEETERS

(print name here)

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(print name here)

(print name here)

Date

Date

Date

Date

Date

Date

22/10/2014

René Theodorus WEGH , Assignor

Gerardus Wilhelmus Gerbe VAN , Assignor

DREUMEL

René Jan HENDRIKS , Assignor

Christoph Gerard August HOELEN , Assignor

PATENT REEL: 039058 FRAME: 0936

, Assignor

For good and valuabl	le consideration, of which V	we acknowledge receipt. I/we as a below-nan	ned Assignor(s), hereby sell.
		right, title, and interest in the following to Ko	
		AE, Eindhoven, the Netherlands, its successor	
		vely "the Assignee") my/our invention for w	•
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is executed concu	rrently herewith		
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		aving a Serial No.	
		tional Application No. PCT/IB2014/059228,	
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any and all Letters Pa	itent when granted, solely to	the Assignee(s), for its sole use, and that of	its successors, assigns, and
legal representatives.			
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legal proceedings inc	luding patent prosecution as	ctions and infringement actions, and do all of	ner such acts which may be
necessary, desirable,	or convenient for securing a	and maintaining patents on the foregoing inve	ntion or for perfecting title
thereto in the Assigna			
I/We certify that I/we	e have the full right to conve	ry the above rights.	
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Date	(print name here)	DREUMEL	` , Assignor
Dolor - 1	*	Alleger a	
<u>** 1805 * Z. 9 / 5.</u> Date	(print name here)	René Januara Dikiks	, Assignor
and another	Beering marine corners	Acceptant (grades accepts the 4000000)	, c sourgeens

Page 1 of 1

(print name here)

Christoph Gerard August HOELEN

Date

and assign, and tran	sfer the entire and exclusive r at High Tech Campus 5,5656	ve acknowledge receipt, I/we as a below-naright, title, and interest in the following to Ko AE, Eindhoven, the Netherlands, its success yely "the Assignee") my/our invention for w	oninklijke Philips N.V., having ors, assigns, and legal
was filed on	me/us on, ha	ving a Serial No	
therewith, based the provisionals division	reon, or claiming priority then	her United States, foreign and international perform including, but not limited to, any and as-in-part, re-examinations, reissues, and extending title, and interest in and to any and a	all provisionals, non- tensions thereof, and the right to
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extent. Upon reque legal proceedings in	st at the expense of the Assign whething patent prosecution ac , or convenient for securing a	ne Assignee to enjoy the foregoing right, titlee, I/we agree to execute all papers, take all tions and infringement actions, and do all of and maintaining patents on the foregoing investigation.	rightful oaths, testify in all her such acts which may be
I/We certify that I/v	ve have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Tes VAN BOMMEL	, Assignor
Date	(print name here)	Peter Josef SCHMIDT	, Assignor
Date	(print name here)	Martinus Petrus Joseph PEETERS	, Assignor
Date	(print name here)	René Theodorus WEGH	*Assignor
Date	(print name here)	Gerardus Wilhelmus Gerbe VAN DREUMEL	, Assignor

René Jan HENDRIKS

Christoph Gerard August HOELEN

PATENT REEL: 039058 FRAME: 0938

-, Assignor

, Assignor

RECORDED: 06/30/2016

Date

Date

2016-06-13

(print name here)

(print name here)