503858495 06/07/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3905144

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JASPER DE VREEDE	01/05/2015
FRANCISCUS JOHANNES GERARDUS HAKKENS	01/05/2015
GERBEN KOOIJMAN	01/05/2015
PETRUS THEODORUS JUTTE	01/06/2015
MARK THOMAS JOHNSON	01/06/2015
KAREL JOHANNES ADRIANUS VAN DEN AKER	12/31/2014
JAN FREDERIK SUIJVER	01/05/2015
CHRISTOPH DOBRUSSKIN	01/08/2015

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:	15102283

CORRESPONDENCE DATA

Fax Number: (914)495-9540

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.

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Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

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Address Line 2: SUITE 340

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2013P01404WOUS
NAME OF SUBMITTER:	KATHLEEN A. ASHER
SIGNATURE:	/KATHLEEN A. ASHER/

503858495 REEL: 038825 FRAME: 0032

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DATE SIGNED:	06/07/2016	
Total Attachments: 8		
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PATENT REEL: 038825 FRAME: 0033

For good and valuable of	consideration, of which I/	we acknowledge receipt, I/we as a below-n	amed Assignor(s), hereby sell,
		right, title, and interest in the following to I	•
		AE, Eindhoven, the Netherlands, its succe	
representatives, includis	ng any nominees (collecti	vely "the Assignee") my/our invention for	which an application:
is executed concurre	ently herewith		
was executed by me	⁄us on	************************************	
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was filed on. 11 Dec	2014, having an Internat	ional Application No. PCT/EP2014/07734	17 ,
and all rights in and to :	said application, and all of	ther United States, foreign and internationa	I patent applications associated
therewith, based thereon	n, or claiming priority the	refrom including, but not limited to, any as	nd all provisionals, non-
provisionals divisions, o	continuations, continuatio	ns-in-part, re-examinations, reissues, and e	extensions thereof, and the right to
claim priority thereto, a	nd the entire and exclusiv	e right, title, and interest in and to any and	all patents granted on these
applications.			
I/We authorize and requ	est that the Patent Office	officials in the United States and in any ar	d all foreign countries to issue
any and all Letters Pate	nt 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/o	ur cooperation to enable t	he Assignee to enjoy the foregoing right, t	itle, and interest to the fullest
extent. Upon request at	t the expense of the Assig	nee, I/we agree to execute all papers, take :	all rightful oaths, testify in all
legal proceedings inclu-	ding patent prosecution ac	ctions and infringement actions, and do all	other such acts which may be
necessary, desirable, or	convenient for securing a	and maintaining patents on the foregoing in	vention or for perfecting title
thereto in the Assignee.			
I/We certify that I/we h	ave the full right to conve	y the above rights.	
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Date	(print name here)	Jasper DE VREEDE	, Assignor
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Date	(print name here)	Franciscus Johannes Gerardus HAKKENS	Assignor
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Date	(print name here)	Gerben KOOLIMAN	, Assignor
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	(sign name here)		
Date	(print name here)	Petrus Theodorus JUTTE	
	(sign name here)		
Date	(print name here)	Mark Thomas JOHNSON	Assignor
	(sign name here)		
Date	(print name here)	Karel Johannes Adrianus	, Assignor
	(sign name here)	VAN DEN AKER	
Tarta		Jan Frederik SUIJVER	Å miles on a
Date	(print name here)	CAC ESCACES SA CONTROL & ELEC	, Assignor
	(sign name here)		
Date	(print name here)	Christoph DOBRUSSKIN	, Assignor
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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: Its executed concurrently herewith
was executed by mesus on
was filed on, having a Serial No
🔀 was filed on. 11 Dec 2014, having an International Application No. PCTÆP2014/077347,
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. We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue my and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assigns, and egal representatives.
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 egal 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 hereto in the Assignee. We certify that I/we have the full right to convey the above rights.

	(sign name here)		
Date	(print name here)	Jasper DE VREEDE	, Assignor
5-01-2111	(sign name here)		
Date	(print name here)	Francisco Tohannes Gerardus	, Assignor
	(sign name here)	HAKKENS -	v .
Date	(print name here)	Gerben KOOUMAN	, Assignor
	(sign name here)		
Date	(print name here)	Petrus Theodorus JUTTE	, Assignor
	(sign name here)		
Date	(print name here)	Mark Thomas JOHNSON	, Assignor
	(sign name here)		
Date	(print name here)	Karel Johannes Adrianus	, Assignor
		VAN DEN AKER	
	(sign name here)		
Date	(print name here)	Jan Frederik SUIJVER	Assignor
	(sign name here)		
Date	(print name here)	Christoph DOBRUSSKIN	, Assignor

Page 1 of 1

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.

was filed on. 11 Dec 2014, having an International Application No. PCT/EP2014/077347, 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)	Jasper DE VREEDE	, Assignor
	(sign name here)		
Date	(print name here)	Franciscus Johannes Gerardus	, Assignor
	(sign name here)	HAKKENS	
Date	(print name here)	Gerben KOOIJMAN	, Assignor
	(sign name here)		
Date	(print name here)	Petrus Theodorus JUTTE	, Assignor
	(sign name here)		
Date	(print name here)	Mark Thomas JOHNSON	, Assignor
	(sign name here)		
Date	(print name here)	Karel Johannes Adrianus	, Assignor
	(sign name here)	VAN DEN AKER	
Date	(print name here)	Jan Frederik SUIJVER	, Assignor
	(sign name here)		
Date	(print name here)	Christoph DOBRUSSKIN	, Assignor

Page 1 of 1

For good and value	ible consideration, of which I/v	we acknowledge receipt, I/we as a below-n	amed Assignor(s), hereby sell, 💎
and assign, and tra-	nsfer the entire and exclusive t	ight, title, and interest in the following to b	Coninklijke Philips N.V., having
a place of business	at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its succe	ssors, assigns, and legal
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I/We certify that I/	we have the full right to conve	ry the above rights.	
	(sign name here)		
Date	(print name here)	Jasper DE VREEDE	, Assignor
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Date	(print name here)	Gerben KOQLIMAN	, Assignor
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Date	(print name here)	Petrus Theodorus JUTTE	, Assignor
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Date	(print name here)	Mark Themas JOHNSON	, Assignor
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	(sign name here)		
Date	(print name here)	Karel Johannes Adrianus	, Assignor
		VAN DEN AKER	
	(sign name here)		
Date	(print name here)	Jan Frederik SUIJVER	Assignor

Page 1 of 1

Christoph DOBRUSSKIN

(sign name here)
(print name here)

Date

PATENT REEL: 038825 FRAME: 0037

, 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 Kominklijke Philips N.V., baving
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.
was filed on. 11 Dec 2014, having an International Application No. PCT/EP2014/077347,
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	(priot name here)	Jasper DE VREEDE	, Assignor
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Date	(print name here)	Franciscus Johannes Gerardus	, Assignor
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Date	(print name here)	Mark Thomas JOHNSON	, Assignor
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Daic	(print name here)	Jan Frederik SULIVER	, Assignor
	(sign name here)		
Date	(print name here)	Christoph DOBRUSSKIN	, Assignor

Date

For good and valuable	consideration, of which I/9	we acknowledge receipt, I/we as a below-n	amed Assignor(s), hereby seil,
and assign, and transfe	er the entire and exclusive r	right, title, and interest in the following to b	Coninklijke Philips N.V., having
a place of business at	High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its succe	ssors, assigns, and legal
representatives, include	ling any nominees (collecti	vely "the Assignee") my/our invention for	which an application:
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and all rights in and to	said application, and all of	her United States, foreign and internationa	l patent applications associated
therewith, based there	on, or claiming priority the	refrom including, but not limited to, any ar	id all provisionals, non-
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legal representatives.			
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I/We certify that I/we	have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Jasper DE VREEDE	, Assignor
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Date	(print name here)	Franciscus Johannes Gerardus	, Assignor
		HAKKENS	
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Date	(print name here)	Karel Johannes Adrianus	, Assignor
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Date	(print name here)	Jan Frederik SUIJVER	, Assignor
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Christoph DOBRUSSKIN

, Assignor

For good and valuable c	onsideration, of which I/v	ve acknowledge receipt, I/we as a below-na	med Assignor(s), hereby sell,
and assign, and transfer	the entire and exclusive ri	ight, title, and interest in the following to K	oninklijke Philips N.V., having
a place of business at H	igh Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its success	ors, assigns, and legal
representatives, includir	ng any nominees (collectiv	rely "the Assignee") my/our invention for v	Aich an application
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and all rights in and to s	aid application, and all of	her United States, foreign and international	patent applications associated
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provisionals divisions, c	continuations, continuation	is-in-part, re-examinations, reissues, and ex	tensions thereof, and the right to
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I/We will provide my/or	ur cooperation to enable th	ne Assignee to enjoy the foregoing right, tit	le, and interest to the fullest
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I/We certify that I/we ha	ave the full right to conve	y the above rights.	
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Date	(print name here)	Jasper DE VREEDE	, Assignor
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	(sign name bere)		
Date	(print name here)	Franciscus Johannes Gerardus	, Assignor
	(sign name here)	HAKKENS	
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Date	(print name here)	Jan Frederik SUIJVER	, Assignor
	(sign name here)		
Date	(print name here)	Christoph DOBRUSSKIN	, Assignor

For good and valuable of	consideration, of which I/w	e acknowledge receipt, I/we as a below-nam	ed Assignor(s), hereby sells
and assign, and transfer	the entire and exclusive ri	ght, title, and interest in the following to Kor	iinklijke Philips N.V., having
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was executed by me	us on		
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Date	(print name here)	Jasper DE VREEDE	, Assignor
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Date	(print name here)	Petrus Theodorus JUTTE	, Assignor
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Date	(print name here)	Karel Johannes Adrianus	, Assignor
		VAN DEN AKER	
	(sign name here)		
Date	(print name here)	Jan Frederik SUIJVER	, Assignor
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28-01-2015	(sign name here)	ELLIK COLL.	
Date	(print name here)	Christoph DOBRUSSKIN	, Assignor

Page 1 of 1

PATENT REEL: 038825 FRAME: 0041