503069197 11/20/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID RUST	11/13/2014
KARL ERHARD THIELE	03/31/2014
KEVIN BRADLEY	03/31/2014
EARL M. CANFIELD	11/19/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14402353

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.

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Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

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NAME OF SUBMITTER:	CHRISTOPHER L. KUYPER
SIGNATURE:	/CHRISTOPHER L. KUYPPER/
DATE SIGNED:	11/20/2014

Total Attachments: 4

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> PATENT REEL: 034216 FRAME: 0226

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and assign, and transf	er the entire and exclusive ri	_ "	elow-named Assignor(s), hereby sell, ng to Koninklijke Philips N.V., having successors, assigns, and legal
•	•	ely "the Assignee") my/our inventi	·
is executed concur	rently herewith		
	1e/us on		
was filed on	, ha	ving a Serial No	***************************************
was filed on. 10 N	lay 2013, having an Internal	ional Application No. PCT/IB2013	/053788,
and all rights in and to	said application, and all ot	ner United States, foreign and intern	ational patent applications associated
therewith, based there	on, or claiming priority ther	efrom including, but not limited to,	any and all provisionals, non-
provisionals divisions	, continuations, continuation	ıs-in-part, re-examinations, reissues	, and extensions thereof, and the right t
claim priority thereto, applications.	and the entire and exclusive	e right, title, and interest in and to a	ny and all patents granted on these
any and all Letters Pa	•	officials in the United States and in the Assignee(s), for its sole use, and	any and all foreign countries to issue I that of its successors, assigns, and
legal representatives.			
I/We will provide my	our cooperation to enable t	ne Assignee to enjoy the foregoing t	ight, title, and interest to the fullest
extent. Upon request	at the expense of the Assign	ee, I/we agree to execute all papers	, take all rightful oaths, testify in all
legal proceedings incl	uding patent prosecution ac	tions and infringement actions, and	do all other such acts which may be
necessary, desirable,	or convenient for securing a	nd maintaining patents on the forego	oing invention or for perfecting title
thereto in the Assigns	e.		
I/We certify that I/we	have the full right to conve	y the above rights.	
11/13/2014	(sign name here)	X 1/2-1/2.	
Daté /	(print name here)	David RUST / /	, Assignor
Date	(print name here)	Karl Erhard THIELE	, Assignor
Date	(print name here)	Kevin BRADLEY	, Assignor

Page 1 of 1

Enrl A. CANFIELD

(print name here)

Date

, Assignor

to

and assign, and transfer the entire and exclusive a place of business at High Tech Campus 5,5656 representatives, including any nominees (collection of the collection of the	AE, Eindhoven, the Netherlands, vely "the Assignee") my/our investigned as Serial No	its successors, assigns, and legal nation for which an application: 013/053788, ernational patent applications associated to, any and all provisionals, non- ues, and extensions thereof, and the right to any and all patents granted on these in any and all foreign countries to issue and that of its successors, assigns, and g right, title, and interest to the fullest ers, take all rightful oaths, testify in all
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was filed on. 10 May 2013, having an International and all rights in and to said application, and all of therewith, based thereon, or claiming priority the provisionals divisions, continuations, continuations claim priority thereto, and the entire and exclusive applications. I/We authorize and request that the Patent Office any and all Letters Patent when granted, solely to legal representatives. I/We will provide my/our cooperation to enable to extent. Upon request at the expense of the Assignegal proceedings including patent prosecution as necessary, desirable, or convenient for securing a thereto in the Assignee.	ving a Serial No	ernational patent applications associated to, any and all provisionals, non- ues, and extensions thereof, and the right to any and all patents granted on these in any and all foreign countries to issue and that of its successors, assigns, and g right, title, and interest to the fullest ers, take all rightful oaths, testify in all
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legal proceedings including patent prosecution as necessary, desirable, or convenient for securing a thereto in the Assignee.	tions and infringement actions, an	
necessary, desirable, or convenient for securing a thereto in the Assignee.	•	nd do all other such acts which may be
thereto in the Assignee.	nd maintaining patents on the fore	
		egoing invention or for perfecting title
I/We certify that I/we have the full right to conve		
is we certify that is we have the full right to conve	s the above rights	
	y the above rights,	
(sign name here)	1.	
Date (print name here)	David RUST	D. // /) , Assignor
31-MAR-2014 KARLE.T.	11028 / A S	
Date (print name here)	Karl Erhard THIELE	, Assignor
Date (print name here)	Kevin BRADLEY	, Assignor
Date (print name here)	Earl A. CANFIELD	, Assignor

Page 1 of 1

Date

v	•		elow-named Assignor(s), hereby sell,
~			ing to Koninklijke Philips N.V., having
•		AE, Eindhoven, the Netherlands, it	
representatives, including	gany nominees (collectiv	ely "the Assignee") my/our invent	ion for which an application:
is executed concurren	tly herewith		
was executed by me/u	ıs on	by object the control of the control	
was filed on	ha	ving a Serial No	
was filed on. 10 May	2013, having an Internat	ional Application No. PCT/IB201	3/053788,
and all rights in and to sa	id application, and all ot	ner United States, foreign and inter	national patent applications associated
therewith, based thereon,	or claiming priority ther	efrom including, but not limited to	, any and all provisionals, non-
			s, and extensions thereof, and the right to
•			my and all patents granted on these
applications.			
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legal representatives.	e misers Francisco poseria so	on them asses are the Maradiana. The	the catter of the propositions were support the cases
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legal proceedings includi	ing patent prosecution ac	tions and infringement actions, and	I do all other such acts which may be
necessary, desirable, or o	onvenient for securing a	nd maintaining patents on the fore;	going invention or for perfecting title
thereto in the Assignee.			
proper America esta		.1	
I/We certify that I/we ha	ve the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	David RUST	, Assignor
Date ,	(print name here)	Karl Erhard THIELE	, Assignor
2/31/2014		Him Braller	
Date/	(print name here)	Kefin BRADLEY	, Assignor

Page 1 of 1

Enri A. CANFIELD

(print name here)

, 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 Koninklijke Philips N.V., having

*		Eindhoven, the Netherlands, its successors, "the Assignee") my/our invention for which	
was filed on	/us on, having	al Application No. PCT/IB2013/053788,	
therewith, based thereon provisionals divisions,	n, or claiming priority therefre continuations, continuations-i	United States, foreign and international pate on including, but not limited to, any and all n-part, re-examinations, reissues, and extens ght, title, and interest in and to any and all p	provisionals, non- sions thereof, and the right to
*		icials in the United States and in any and all Assignee(s), for its sole use, and that of its	•
extent. Upon request at legal proceedings inclu-	the expense of the Assignee, ding patent prosecution actior convenient for securing and t	Assignee to enjoy the foregoing right, title, a I/we agree to execute all papers, take all rights and infringement actions, and do all other maintaining patents on the foregoing inventing	thtful oaths, testify in all such acts which may be
I/We certify that I/we h	ave the full right to convey th	e above rights.	
	(sign name here)		
Date	(print name here)	David RUST	, Assignor
Date	(print name here)	Karl Erhard THIELE	, Assignor
Date 11/19/2014	(print name here) EASL N. (nofield)	Kessin BRADLEY	, Assignor
Date	(print name here)	Earl M. CANFIELD	, Assignor

Page 1 of 1

PATENT REEL: 034216 FRAME: 0230