502672755 02/10/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EBERHARD WAFFENSCHMIDT	12/20/2013
PETER VAN DEN BIGGELAAR	12/13/2013
AAD SEMPEL	12/19/2013
OSCAR WILLEMSEN	12/13/2013
DAVE VAN GOOR	12/16/2013
HENRICUS THEODORUS VAN DER ZANDEN	09/23/2013
MAARTEN VAN HERPEN	12/16/2013

RECEIVING PARTY DATA

Name:	Koninklijke Philips Electronics 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:	14237902

CORRESPONDENCE DATA

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Correspondent Name: MICHAEL E. MARION Address Line 1: P.O. BOX 3001

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ATTORNEY DOCKET NUMBER: 2011P01681WOUS PATENT

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NAME OF SUBMITTER:	MARK L. BELOBORODOV	
Signature:	/Mark L. Beloborodov/	
Date:	02/10/2014	
Total Attachments: 6 source=2011P01681WOUS_EXEC_ASSIGNMENT#page1.tif source=2011P01681WOUS_EXEC_ASSIGNMENT#page2.tif source=2011P01681WOUS_EXEC_ASSIGNMENT#page3.tif source=2011P01681WOUS_EXEC_ASSIGNMENT#page4.tif source=2011P01681WOUS_EXEC_ASSIGNMENT#page5.tif source=2011P01681WOUS_EXEC_ASSIGNMENT#page6.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

-		E, Eindhoven, the Netherlands, its successovely "the Assignee") my/our invention for	
was filed on	e/us on, ha	iving a Serial Notional Application No. PCT/IB2012/05410	
therewith, based there provisionals divisions	on, or claiming priority the , continuations, continuatio	ther United States, foreign and international refrom including, but not limited to, any an ans-in-part, _e-examinations, reissues, and e sive right, title, and interest in and to any an	d all provisionals, non- xtensions thereof, and the right
		officials in the United States and in any an the Assignee(s), for its sole use, and that o	-
extent. Upon request legal proceedings included in the ceessary, desirable, of the reto in the Assigne	at the expense of the Assignuding patent prosecution ac or convenient for securing a	the Assignee to enjoy the foregoing right, to nee, I/we agree to execute all papers, take a ctions and infringement actions, and do all o and maintaining patents on the foregoing in-	ll rightful oaths, testify in all other such acts which may be
0.Dec-20/5	(sign name here)	CLASS SAMULT	arania.
Date	(print name here)	Eberhard WAFFENSCHMIDT	, Assignor
Date	(print name here)	Peter VAN DEN BIGGELAAR	4 Assignor
Date	(print name here)	Aad SEMPEL	, Assignor
Date	(print name here)	Oscar WILLEMSEN	, Assignor
Date	(print name here)	Dave VAN GOOR	, Assignor
Date	(print name here)	Henry VAN DER ZANDEN	, Assignor
Date	(print name here)	Maarten VAN HERPEN	, 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
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, having a Serial No
X	was filed on, 2012-Aug-13, having an International Application No. PCT/IB2012/054106,

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 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)	Eberhard WAFFENSCHMIDT	, Assignor
13-12-2013 Date	(print name here)	Peter VAN DEN BIGGELAAR	, Assignor
Date	(print name here)	Aad SEMPEL	, Assignor
Date 2 3	(print name here)	Opřař WILLEMSEN	, Assignor
Date	(print name here)	Dave VAN GOOR	, Assignor
Date	(print name here)	Henry VAN DER ZANDEN	, Assignor
 Date	(print name here)	Maarten VAN HERPEN	, Assignor

and assign, and tr a place of busines	ransfer the entire and exclusive riss High Tech Campus 5, 5656 Al	ve acknowledge receipt, I/we as a below-naght, title, and interest in the following to K E, Eindhoven, the Netherlands, its successa ely "the Assignee") my/our invention for	Coninklijke Philips N.V., having ors, assigns, and legal
was executed was filed on.		ring a Serial Noional Application No. PCT/IB2012/05416	
therewith, based to provisionals divis	thereon, or claiming priority ther sions, continuations, continuation	ner United States, foreign and international efrom including, but not limited to, any an assimpart, e-examinations, reissues, and e ive right, title, and interest in and to any as	d all provisionals, non- xtensions thereof, and the right
	rs Patent when granted, solely to	officials in the United States and in any an the Assignee(s), for its sole use, and that o	
extent. Upon req legal proceedings necessary, desiral thereto in the Ass	uest at the expense of the Assign including patent prosecution action or convenient for securing a	ne Assignee to enjoy the foregoing right, to see, I/we agree to execute all papers, take a tions and infringement actions, and do all o and maintaining patents on the foregoing in y the above rights.	ll rightful oaths, testify in all other such acts which may be
	(sign name here)		
Date	(print name here)	Eberhard WAFFENSCHMIDT	, Assignor
Date 14 -/2-70/5	(print name here)	Peter VAN DEN BIGGELAAR	, Assignor
Date Date	(print name here)	And SEMPELL	, Assignor
Date	(print name here)	Oscar WILLEMSEN	, Assignor
Date	(print name here)	Dave VAN GOOR	, Assignor
Date	(print name here)	Henry VAN DER ZANDEN	, Assignor
 Date	(print name here)	Maarten VAN HERPEN	, Assignor

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

a place of business High	a Tech Campus 5, 5656 Al	ght, title, and interest in the following to Ko E, Eindhoven, the Netherlands, its successorely "the Assignee") my/our invention for w	rs, assigns, and legal
was filed on	/us on, hav	ving a Serial Noional Application No. PCT/IB2012/05410	
therewith, based thereo provisionals divisions,	n, or claiming priority ther continuations, continuation	her United States, foreign and international efrom including, but not limited to, any and is-in-part, _e-examinations, reissues, and exive right, title, and interest in and to any an	l all provisionals, non- ttensions thereof, and the right
· ·		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 necessary, desirable, or thereto in the Assignee	t the expense of the Assign ding patent prosecution ac convenient for securing a	ne Assignee to enjoy the foregoing right, tit nee, I/we agree to execute all papers, take all tions and infringement actions, and do all o nd maintaining patents on the foregoing inv y the above rights.	l rightful oaths, testify in all ther such acts which may be
Date	(sign name here) (print name here)	Eberhard WAFFENSCHMIDT	, Assignor
Date	(print name here)	Peter VAN DEN BIGGELAAR	, Assignor
Date	(print name here)	And SEMPEL	, Assignor
Date	(print name here)	Oscar WILLEMSEN Arate 15 Gro.	, Assignor
<u>16-12-2013</u> Date	(print name here)	Dave VAN GOOR	, Assignor
Date 6-12-2013	(print name here)	Henry VAN DER ZANDEN	, Assignor
Date	(print name here)	Nimiten-VAN-HERREN	, 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 tra	insfer the entire and exclusive n	ight, title, and interest in the following to K.	oninklijke Philips N.V., having
a place of busines	s at High Tech Campus 5,5656.	AE, Eindhoven, the Netherlands, its success	sors, assigns, and legal
representatives, in	cluding any nominees (collectiv	vely "the Assignee") my/our invention for w	which an application:
is executed con	ncurrently herewith		
was executed b	oy me/us on	***************************************	
was filed on	, har	ving a Serial No	
was filed on. 1	3 Aug 2012, having an Internat	ional Application No. PCT/IB2012/054186	;,
and all rights in ar	nd to said application, and all of	her United States, foreign and international	patent applications associated
therewith, based th	nereon, or claiming priority ther	refrom including, but not limited to, any and	i all provisionals, non-
provisionals divisi	ions, continuations, continuation	ns-in-part, re-examinations, reissues, and ex	tensions thereof, and the right to
claim priority ther	eto, and the entire and exclusive	e right, title, and interest in and to any and a	all patents granted on these
applications.			
I/We authorize an	d 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 representativ	res.		
I/We will provide	my/our cooperation to enable the	he Assignee to enjoy the foregoing right, tit	le, and interest to the fullest
_		nee, I/we agree to execute all papers, take al	
	-	tions and infringement actions, and do all o	
		nd maintaining patents on the foregoing inv	
thereto in the Assi	gnee.		
I/Wa cartifu that I	/we have the full right to conve	y the ahove rights	
i we centry man	we have the full fight to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Eberhard WAFFENSCHMIDT	, Assignor
Date	(print name here)	Theodorus Johannes Petrus VAN	Assignor
		DEN BIGGELAAR	
Date	(print name here)	Adrianus SEMPEL	, Assignor
Date	(print name here)	Oscar Hendrikus WILLEMSEN	, Assignor
23-09-2013	2000 400	**	
Date	(print name here)	Dave Willem VAN GOOR	, Assignor

Page 1 of 2

23-9-2013	and the second s	W Zanden	
Date	(print name here)	Henricus Theodorns VAN DER	, Assignor
		ZANDEN	
Date	(print name here)	Maarten VAN HERPEN	, Assignor