## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2656398

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
MICHEL CORNELIS JOSEPHUS MARIE VISSENBERG	04/17/2012
RAMON PASCAL VAN GORKOM	04/19/2012
MARK JOHANNES ANTONIUS VERHOEVEN	04/18/2012
ANDREAS ALOYSIUS HENRICUS DUIJMELINK	04/17/2012
PETER JOHANNES MARTINUS BUKKEMS	04/17/2012
MONICA ANTONIA MARIA DE WILT	12/23/2012
RICHARD JOSEPHUS ARNOLDUS MARIA FOEDERER	12/20/2013

## **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:	14006973

## **CORRESPONDENCE DATA**

Fax Number:(914)332-0615Phone:914-332-0222

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

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ATTORNEY DOCKET NUMBER: 2011P00245WOUS PATENT

502609959 REEL: 031825 FRAME: 0846

NAME OF SUBMITTER:	MARK L. BELOBORODOV		
Signature:	/Mark L. Beloborodov/		
Date:	12/20/2013		
Total Attachments: 14			
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-	•	/we acknowledge receipt, I/we as a below-na	*
		right, title, and interest in the following to Ke	• •
		Iseweg 1, 5621 BA Eindhoven, the Netherlan	
legal representatives, in	icluding any nominees (c	collectively "the Assignee") my/our invention	for which an application:
is executed concurre	ently herewith		
was executed by me	Jus on		
was filed on		naving a Serial No	******
		national Application No. PCT/IB2012/05142	
and all rights in and to	said application, and all	other United States, foreign and international	patent applications associated
•		erefrom including, but not limited to, any and	
		ons-in-part, re-examinations, reissues, and ex	
		ive right, title, and interest in and to any and a	-
•		e officials in the United States and in any and to the Assignee(s), for its sole use, and that of	•
extent. Upon request a legal proceedings inclu	t the expense of the Assi ding patent prosecution a convenient for securing	the Assignee to enjoy the foregoing right, tit gnee, I/we agree to execute all papers, take al actions and infringement actions, and do all o and maintaining patents on the foregoing inv	l rightful oaths, testify in all ther such acts which may be
I/We certify that I/we h	nave the full right to conv	vey the above rights.	
Date Total	(sign name here) (print name here)	Michel Cornelis Josephus Marie VISSENBERG	. Assignor
	(sign name here)		. Assignor
Date	(print name here)	Ramon Pascal VAN GORKOM	
	Calana na contro d		A no
Yes	(sign name here)	Mark Inhannes Antonius VERHOEVI	<u>, Assignor</u>
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········	(sign name here)		<u>. Assignor</u>
Date	(print name here)	Andreas Aloysius Henricus	
		DUIJMELINK	
	(sign name here)		. Assignor
Date	(print name here)	Peter Johannes Martinus BUKKEMS	
	(sign name here)		. Assignor
Date	(print name here)	Monica Antonia Maria DE WILT	
	(sign name here)		. Assignor
Date	(print name here)	Richard Josephus Arnoldus Maria	
		FOEDERER	

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

to

N.V., having a pla	ce of business at Groenewou	e right, title, and interest in the following to Kordseweg 1, 5621 BA Eindhoven, the Netherlands collectively "the Assignee") my/our invention f	s, its successors, assigns, and
is executed con	currently herewith		
was executed b	y me/us on	****************************	
was filed on		having a Serial No	*****
was filed on. 26	012-Mar-26, having an Inter	rnational Application No. PCT/IB2012/051422,	
therewith, based th provisionals divisi	ereon, or claiming priority to ons, continuations, continuat	other United States, foreign and international patternational patternation including, but not limited to, any and a tions-in-part, re-examinations, reissues, and extensive right, title, and interest in and to any and all	all provisionals, non- ensions thereof, and the right
	Patent when granted, solely	ce officials in the United States and in any and a to the Assignee(s), for its sole use, and that of i	
extent. Upon requ legal proceedings i	est at the expense of the Ass neluding patent prosecution e, or convenient for securing	e the Assignee to enjoy the foregoing right, title, ignee, I/we agree to execute all papers, take all actions and infringement actions, and do all oth and maintaining patents on the foregoing inver	rightful oaths, testify in all er such acts which may be
I/We certify that I/	we have the full right to con	vey the above rights.	
Nata	(sign name here)	(300)	. Assignor
Date	(print name here)	Michel Cornelis Josephus Marie	
		VISSENBERG	
10 - 10 - 2~	17	a feeting to the second	
	(sign name here) (print name here)		, Assignor
L)ate	(print name here)	Ramon Pascal VAN GORKOM	(1)
	(sign name here)		. Assignor
Date	(print name here)	Mark Johannes Antonius VERHOEVEN	3

	(sign name here)		<u>, Assignor</u>
Date	(print name here)	Andreas Aloysius Henricus	
		DUIMELINK	
	(sign name here)		. Assignor
Date	(print name here)	Peter Johannes Martinus BUKKEMS	
	(sign name here)		Assignor
Date	(print name here)	Monica Antonia Maria DE WILT	
	(sign name here)		, Assignor
Date	(print name here)	Kichard Josephus Arnoldus Maria	
		FOEDERER	

and assign, and transfe N.V., having a place of	er the entire and exclusive of business at Groenewoud	I/we acknowledge receipt, I/we as a below-nar right, title, and interest in the following to Ko dseweg 1, 5621 BA Eindhoven, the Netherland collectively "the Assignee") my/our invention	oninklijke Philips Electronics ds, its successors, assigns, and
is executed concur	rently herewith ne/us on		
was filed on	, }	naving a Serial Nonational Application No. PCT/IB2012/05142:	
therewith, based there provisionals divisions	on, or claiming priority the continuations, continuations, continuations.	other United States, foreign and international terefrom including, but not limited to, any and cons-in-part, re-examinations, reissues, and ex ive right, title, and interest in and to any and a	l all provisionals, non- tensions thereof, and the right to
	*	e officials in the United States and in any and to the Assignee(s), for its sole use, and that of	_
extent. Upon request legal proceedings incl	at the expense of the Assi uding patent prosecution or convenient for securing	the Assignee to enjoy the foregoing right, title gnee, I/we agree to execute all papers, take all actions and infringement actions, and do all of and maintaining patents on the foregoing inv	l rightful oaths, testify in all ther such acts which may be
I/We certify that I/we	have the full right to con-	vey the above rights.	
	(sign name here)		. Assignor
Date	(print name here)	Michel Cornelis Josephus Marie VISSENBERG	
 Date	(sign name here) (print name here)	Ramon Pascal VAN GORKOM	.Assignor
<u>2012 - 04 - 78</u> Date	(sign name here) (print name here)	Mark Johannes Antonius VERHOEVI	

	(sign name here)		<u>. Assignor </u>
Date	(print name here)	Andreas Aloysius Henricus	
		DUIMELINK	
	(sign name here)		. Assignor
Date	(print name here)	Peter Johannes Martinus BUKKEMS	
	(sign name here)		. Assignor
Date	(print name here)	Monica Antonia Maria DE WILT	
	(sign name here)		. Assignor
Date	(print name here)	Richard Josephus Arnoldus Maria	
		FOEDERER	

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

N.V., having a plac	ce of business at Groenewoud	right, title, and interest in the following to K dseweg 1, 5621 BA Eindhoven, the Netherlar collectively "the Assignee") my/our invention	nds, its successors, assigns, and
was filed on	y me/us on, 1	naving a Serial No	
therewith, based th provisionals division	ereon, or claiming priority thons, continuations, continuations,	other United States, foreign and international serefrom including, but not limited to, any an- ions-in-part, re-examinations, reissues, and ex ive right, title, and interest in and to any and	d all provisionals, non- ktensions thereof, and the right to
	Patent when granted, solely	ee officials in the United States and in any and to the Assignee(s), for its sole use, and that o	_
extent. Upon requiegal proceedings i	est at the expense of the Assi including patent prosecution ie, or convenient for securing	the Assignee to enjoy the foregoing right, titignee, I/we agree to execute all papers, take a actions and infringement actions, and do all cand maintaining patents on the foregoing inv	ll rightful oaths, testify in all other such acts which may be
I/We certify that I/	we have the full right to con	vey the above rights.	
Date	<u>(sign name here)</u> (print name here)	Michel Cornelis Josephus Marie VISSENBERG	.Assignor
Date	(sign name here) (print name here)	Ramon Pascal VAN GORKOM	. Assignor
Date	(sign name here) (print name here)	Mark Johannes Antonius VERHOEV	<u>. Assignor</u> EN

17-4-2012 Date	(sign name here) (print name here)	Andreas Aloysius Henricus  DUIJMELINK	, Assignor
Date	(sign name here) (print name here)	Peter Johannes Martinus BUKKEMS	, Assignor
Date	(sign name here) (print name here)	Monica Antonia Maria DE WILT	, Assignor
Date	(sign name here) (print name here)	Richard Josephus Arnoldus Maria FOEDERER	, 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 Electronics

		idseweg 1, 5621 BA Eindhoven, the Netherlar (collectively "the Assignee") my/our invention	
was filed on	me/us on,	having a Serial Nornational Application No. PCT/IB2012/05142	
therewith, based the provisionals division	reon, or claiming priority t is, continuations, continual	other United States, foreign and international herefrom including, but not limited to, any and tions-in-part, re-examinations, reissues, and exive right, title, and interest in and to any and a	d all provisionals, non- ctensions thereof, and the right
	atent when granted, solely	ce officials in the United States and in any and to the Assignee(s), for its sole use, and that o	*
extent. Upon reques legal proceedings in	it at the expense of the Ass cluding patent prosecution , or convenient for securing	e the Assignee to enjoy the foregoing right, tit ignee, I/we agree to execute all papers, take all actions and infringement actions, and do all og and maintaining patents on the foregoing inv	Il rightful oaths, testify in all ther such acts which may be
I/We certify that I/w	e have the full right to con	vey the above rights.	
	- (sign name here) (print name here)		.Assignor
Date	(sign name here) (print name here)	Ramon Pascal VAN GORKOM	. Assignor
Date	(sign name here) (print name here)	Mark Johannes Antonius VERHOEVI	. Assignor EN

PATENT REEL: 031825 FRAME: 0856

to

	(sign name here)		, Assignor
Date	(print name here)	Andreas Aloysius Henricus	
		DUIJMELINK	
<u>/3/-04-20/2</u> Date	(sign name here) (print name here)	Peter Johannes Martinus BUKKEMS	. Assignor
Date	(sign name here) (print name here)	Monica Antonia Maria DE WILT	. Assignor
	(sign name here)		, Assignor
Date	(print name here)	Richard Josephus Arnoldus Maria	*
		FOEDERER	

		I/we acknowledge receipt, I/we as a below-na	***
and assign, and	transfer the entire and exclusiv	e right, title, and interest in the following to K	oninklijke Philips Electronies
		dseweg 1, 5621 BA Eindhoven, the Netherlar	
legal representat	tives, including any nominees (	collectively "the Assignee") my/our invention	n for which an application:
is executed o	concurrently herewith		
was executed	d by me/us on		
was filed on	· >	having a Serial No	********
was filed on.	. 2012-Mar-26, having an Inter	national Application No. PCT/IB2012/05142	2,
and all rights in	and to said application, and all	other United States, foreign and international	patent applications associated
therewith, based	d thereon, or claiming priority t	herefrom including, but not limited to, any and	d all provisionals, non-
provisionals div	isions, continuations, continuat	ions-in-part, re-examinations, reissues, and ex	ctensions thereof, and the right to
claim priority th	ereto, and the entire and exclus	sive right, title, and interest in and to any and	all patents granted on these
applications.			
I/We authorize :	and request that the Patent Offic	ce officials in the United States and in any and	i all foreign countries to issue
any and all Lette	ers Patent when granted, solely	to the Assignee(s), for its sole use, and that o	f its successors, assigns, and
legal representa	tives.		
I/We will provid	de my/our cooperation to enable	e the Assignee to enjoy the foregoing right, tit	le, and interest to the fullest
extent. Upon re	quest at the expense of the Ass	ignee, I/we agree to execute all papers, take a	ll rightful oaths, testify in all
legal proceeding	gs including patent prosecution	actions and infringement actions, and do all o	ther such acts which may be
necessary, desir	able, or convenient for securing	g and maintaining patents on the foregoing inv	vention or for perfecting title
thereto in the As	ssignee.		
I/We certify that	t I/we have the full right to con	vey the above rights.	
	(sign name here)		A axi am a n
Date	(print name here)	Michel Cornelis Josephus Marie	, Assignor
	(buttu trante nere)	VISSENBERG	
		VASCRINAREMAN	
	(sign name here)		Assignor
Date	(print name here)	Ramon Pascai VAN GORKOM	, AND DEBOY
	(print name nove)	ACCOUNTS A COSCULA A SALA A COSCULAÇÃO DAS	
	(sign name here)	·	, Assignor
Date	(print name here)	Mark Johannes Antonius VERHOEVI	EN

Data	(sign name here)	A	, Assignor
Date	(print name here)	Andreas Aloysius Henricus DUIJMELINK	
	(sign name here)		Assignor
Date	(print name here)	Peter Johannes Martinus BUKKEMS	
23-12-2012	(sign name here)		Assignor
Date	(print name here)	Monica Antonia Maria DE WILT	
	(sign name here)		Assignor
Date	(print name here)	Richard Josephus Arnoldus Maria	
		FOEDERER	

		collectively "the Assignee") my/our invention	
is executed co	oncurrently herewith		
	by me/us on		
		having a Serial No	ekorkorki
		mational Application No. PCT/IB2012/05142	
and all rights in a	and to said application, and all	other United States, foreign and international	patent applications associated
therewith, based	thereon, or claiming priority t	berefrom including, but not fimited to, any an-	d all provisionals, non-
provisionals divi	sions, continuations, continuat	ions-in-part, re-examinations, reissues, and ex	ctensions thereof, and the right to
claim priority the applications.	ereto, and the entire and exclus	sive right, title, and interest in and to any and a	all patents granted on these
	rs Patent when granted, solely	ce officials in the United States and in any and to the Assignee(s), for its sole use, and that o	
extent. Upon rec legal proceedings necessary, desira thereto in the Ass	puest at the expense of the Ass s including patent prosecution ble, or convenient for securing	e the Assignee to enjoy the foregoing right, tit ignee. I/we agree to execute all papers, take a actions and infringement actions, and do all or and maintaining patents on the foregoing invovey the above rights.	Il rightful oaths, testify in all other such acts which may be
	(sign name here)		. Assigner
Date	(print name here)	Michel Cornelis Josephus Marie VISSENBERG	
	(sign name here)		Assignor
Date	(print name here)	Ramon Pascal VAN GORKOM	
	(s)en name here)		Assignor
Date	(print name here)	Mark Johannes Antonius VERHOEVI	

# DUIJMELINK

Date	(sign name here) (print name here)	Peter Johannes Martinus BUKKEMS	. Assigner
Date	(sign name here) (print name here)	Monica Antonia Maria DE WILT	, Assignor
<u>20 - 72 - 883</u> Date	(sign name here) (print name here)	Richard Josephus Arnoldus Maria FOFDERFR	Assignor

Page 2 of 2

PATENT REEL: 031825 FRAME: 0861

**RECORDED: 12/20/2013**