## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PETRUS JOHANNES MATHIJS VAN DER BURGT	04/15/2012
STEFAN MARCUS VERBRUGH	04/24/2012
MARCELLINUS PETRUS CAROLUS MICHAEL KRIJN	04/16/2012
MICHEL CORNELIS JOSEPHUS MARIE VISSENBERG	04/17/2012
HAO HU	08/19/2012
OLEG BELIK	09/18/2012
ROBERT-PAUL MARIO BERRETTY	04/17/2012
LODEWIJK DANIELLA STANISLAW HENDRIKS	08/20/2012

#### **RECEIVING PARTY DATA**

Name:	KONINKLIJKE PHILIPS ELECTRONICS N.V.
Street Address:	GROENEWOUDSEWEG 1
City:	EINDHOVEN
State/Country:	NETHERLANDS
Postal Code:	5621 BA

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13514236

## **CORRESPONDENCE DATA**

**Fax Number**: 91433206

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 914-945-6000

Email: vera.kublanov@philips.com

Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

Address Line 1: P.O. BOX 3001

Address Line 4: BRIARCLIFF MANOR, NEW YORK 10510

ATTORNEY DOCKET NUMBER: 2009P01396WOUS PATENT

502067310 REEL: 028986 FRAME: 0340

NAME OF SUBMITTER:	Daniel J. Piotrowski	
Total Attachments: 16		
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PATENT REEL: 028986 FRAME: 0341

and assign, and transfer N.V., having a place of	the entire and exclusive ri business at Groenewoudse	ve acknowledge receipt, I/we as a below-named ght, title, and interest in the following to Koninloweg 1, 5621 BA Eindhoven, the Netherlands, it lectively "the Assignee") my/our invention for	dijke Philips Electronics s successors, assigns, and
was filed on	as onhav	ving a Serial Noional Application No. <b>1B2010/055394</b> ,	
therewith, based thereor provisionals divisions, c	n, or claiming priority there continuations, continuation	ner United States, foreign and international pater efrom including, but not limited to, any and all parties-in-part, re-examinations, reissues, and extensi eright, title, and interest in and to any and all pa	orovisionals, non- ons thereof, and the right
•		officials in the United States and in any and all f the Assignee(s), for its sole use, and that of its s	
extent. Upon request at legal proceedings include	the expense of the Assign	ne Assignee to enjoy the foregoing right, title, and ee, I/we agree to execute all papers, take all right ions and infringement actions, and do all other sold maintaining patents on the foregoing inventions.	ntful oaths, testify in all such acts which may be
I/We certify that I/we ha	ive the full right to convey		
<u>2012-04-15</u> Date	(sign name here) (print name here)	Petrus Johannes Mathijs VAN DER BURGT	<u>. Assignor</u>
Date	(sign name here) (print name here)	Stefan Marcus VERBRUGH	Assignor

U.S.A. Sole/Joint

Page 1 of 2

KRUN

Marcellinus Petrus Carolus Michael

(sign name here)

(print name here)

Date

. Assignor

to

Date	(sign name here) (print name here)	Michel Cornelis Josephus Marie VISSENBERG	. Assignor
Date	(sign name here) (print name here)	Hao MV	. Assignor
Date	(sign name here) (print name here)	Oleg BELIK	, Assignor
Date	(sign name here) (print name here)	Robert-Paul Mario BERRETTY	. Assignor
Date	(sign name here) (print name here)	Lodewijk Daniella Stanislaw HENDRIKS	. Assignor

For good and valuable	consideration, of which	I/we acknowledge receipt, I/we as a below-na	med Assignor(s), hereby sell,
		e right, title, and interest in the following to K	
		udseweg 1, 5621 BA Eindhoven, the Netherlan	
legal representatives, in	cluding any nominees	(collectively "the Assignee") my/our invention	for which an application:
is executed concurre	ently herewith		
***************************************		******************************	
was filed on	******************************	having a Serial No.	******
		national Application No. IB2010/055394,	
and all rights in and to	said application, and all	other United States, foreign and international	patent applications associated
therewith, based thereo-	n, or claiming priority t	herefrom including, but not limited to, any and	all provisionals, non-
		tions-in-part, re-examinations, reissues, and ex	
claim priority thereto, a	nd the entire and exclu-	sive right, title, and interest in and to any and a	ll patents granted on these
applications.			
I/We authorize and requ	est that the Patent Offi	ce officials in the United States and in any and	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 enabl	e the Assignee to enjoy the foregoing right, titl	e, and interest to the fullest
extent. Upon request at	the expense of the Ass	ignee, I/we agree to execute all papers, take all	rightful oaths, testify in all
legal proceedings include	ding patent prosecution	actions and infringement actions, and do all of	her such acts which may be
necessary, desirable, or	convenient for securing	g and maintaining patents on the foregoing inve	ention or for perfecting title
thereto in the Assignee.			
I/We certify that I/we ha	ave the full right to con	vey the above rights.	
The in	(sign name here)		. Assignor
Date	(print name here)	Petrus Johannes Mathijs VAN DER BURGT	
24-4-2017	(sign name here)	500 Valant	, Assignor
Date	(print name here)	Stefan Marcus VERBRUGH	
	(sign name here)		, Assignor
Date	(print name here)	Marcellinus Petrus Carolus Michael	, monging
	g pris seese seesenkiller kalles by 5	L-BARRARAN CREEKLY ROLL CON AND AND AND AND AND AND AND AND AND AN	

Page 1 of 2

KRIJN

Date	(sign name here) (print name here)	Michel Cornelis Josephus Marie VISSENBERG	. Assigner
Date	(sign name here) (print name here)	Hso HU	. Assignor
Date	(sign name here) (print name here)	Oleg BELIK	. <u>Assignor</u>
Date	(sign name here) (print name here)	Robert-Paul Mario BERRETTY	. Assignor
Date	(sign name here) (print name here)	Lodewijk Daniella Stanislaw HENDRIKS	, Assignor

U.S.A. Sole/Joint

Date

		e right, title, and interest in the following to Koudseweg 1, 5621 BA Eindhoven, the Netherland	· · · · · · · · · · · · · · · · · · ·
		(collectively "the Assignce") my/our invention	
is executed c	oncurrently herewith		
	l by me/us on	***************************************	
	•	having a Serial No.	*****
		mational Application No. IB2010/055394,	
and all rights in	and to said application, and all	other United States, foreign and international p	patent applications associated
therewith, based	thereon, or claiming priority t	herefrom including, but not limited to, any and	all provisionals, non-
provisionals divi	isions, continuations, continua	tions-in-part, re-examinations, reissues, and ext	ensions thereof, and the right to
claim priority the applications.	ereto, and the entire and exclu	sive right, title, and interest in and to any and al	l patents granted on these
I/We authorize a	and request that the Patent Offi	ce officials in the United States and in any and	all foreign countries to issue
	<u>.</u>	to the Assignee(s), for its sole use, and that of	
legal representat		3(-),	
extent. Upon rec legal proceeding	quest at the expense of the Ass is including patent prosecution able, or convenient for securing	e the Assignee to enjoy the foregoing right, title signee, I/we agree to execute all papers, take all actions and infringement actions, and do all ot g and maintaining patents on the foregoing inve	rightful oaths, testify in all her 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)	Petrus Johannes Mathijs VAN DER	<u>, 1 kuu guu</u>
	Q	BURGT	
	(sign name here)		, Assignor
Date	(print name here)	Stefan Marcus VERBRUGH	
16.04.201	<b>,</b>	1, <del>5</del> 7	
w 6 36 16 11	(sign name here)	all Thym	, Assignor

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

Page 1 of 2

KRIJN

(print name here)

Marcellinus Petrus Carolus Michael

Date	(sign name here) (print name here)	Michel Cornelis Josephus Maríe VISSENBERG	<u>. Assignor</u>
Date	(sign name here) (print name here)		. Assignor
	(sign name here) (print name here)	Oleg BELIK	. Assignor
	(sign name here) (print name here)	Robert-Paul Mario BERRETTY	. Assignor
Date	(sign name here) (print name here)	Lođewijk Daniella Stanislaw HENDRIKS	Assignor

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

N.V., baving a place o	f business at Groenewou	e right, title, and interest in the following to Ko dseweg 1, 5621 BA Eindhoven, the Netherland collectively "the Assignee") my/our invention	ls, its successors, assigns, and
was filed on	e/us on	having a Serial No	
therewith, based thereo provisionals divisions,	on, or claiming priority the continuations, continuat	other United States, foreign and international pherefrom including, but not limited to, any and ions-in-part, re-examinations, reissues, and extrive right, title, and interest in and to any and al	all provisionals, non- ensions thereof, and the right t
		ce officials in the United States and in any and to the Assignee(s), for its sole use, and that of i	**
extent. Upon request a legal proceedings inclu	at the expense of the Assi ading patent prosecution r convenient for securing	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 off; and maintaining patents on the foregoing investigations.	rightful oaths, testify in all ter such acts which may be
I/We certify that I/we h	nave the full right to conv	vey the above rights.	
Date	(sign name here) (print name here)	Petrus Johannes Mathijs VAN DER BURGT	, Assignor
Date	(sign name here) (print name here)	Stefan Marcus VERBRUGH	. Assignor
Date	(sign name here) (print name here)		. Assignor

Page 1 of 2

17 April 2012 Date	(sign name here) (print name here)	Michel Cornelis Josephus Marie VISSENBERG	. Assignor
Date	(sign name here) (print name here)	Hao HU	. Assignor
Date	(sign name here) (print name here)	Oleg BELIK	. Assignor
Date	(sign name here) (print name here)	Robert-Paul Mario BERRETTY	, Assignor
Date	(sign name here) (print name here)	Lodewijk Daniella Stanislaw HENDRIKS	. Assignor

## ASSIGNMENT

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 N.V., having a place of business at Groenewoudseweg 1, 5621 BA 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. 2010-Nov-24, having an International Application No. 1B2010/055394,
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.

Date	(sign name here) (print name here)	Petrus Johannes Mathijs VAN DER BURGT	Assignor
Date	(sign name here) (print name here)	Stefan Marcus VERBRUGH	Assignor
Date	(sign name here) (print name here)	Marcellinus Petrus Carolus Michael KRUN	. Assigner

Page 1 of 2

PATENT REEL: 028986 FRAME: 0350

Date	(sign name here) (print name here)	Michel Cornelis Josephus Marie VISSENBERG	Assignor
19-08-2012 Date	- (sign name here) (print name here)	Hao HU	. Assignor
	· (sign name here)	***************************************	Assignor
Date	(print name here)	Oleg BELIK	
Date	(sign name here) (print name here)	Robert-Paul Mario BERRETTY	Assignor
Date	(sign name here)	Lodewijk Daniella Stanislaw HENDS	. Assigner

Date

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	e right, title, and interest in the following to Ko	oninklijke Philips Electronics
N.V., having a p	place of business at Groenewou	dseweg 1, 5621 BA Eindhoven, the Netherland	ds, its successors, assigns, and
legal representa	tives, including any nominees (	collectively "the Assignee") my/our invention	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	. 2010-Nov-24, having an Inter	national Application No. IB2010/055394,	
and all rights in	and to said application, and all	other United States, foreign and international p	patent applications associated
therewith, based	I thereon, or claiming priority the	herefrom including, but not limited to, any and	all provisionals, non-
provisionals div	risions, continuations, continuat	ions-in-part, re-examinations, reissues, and ext	tensions thereof, and the right to
claim priority thapplications.	nereto, and the entire and exclus	sive right, title, and interest in and to any and a	ll patents granted on these
	ers Patent when granted, solely	ce officials in the United States and in any and to the Assignee(s), for its sole use, and that of	<del>-</del>
extent. Upon re legal proceeding	equest at the expense of the Ass gs including patent prosecution able, 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 of and maintaining patents on the foregoing investigation.	rightful oaths, testify in all her such acts which may be
I/We certify that	t I/we have the full right to con	vey the above rights.	
	(sign name here)		, Assignor
Date	(print name here)	Petrus Johannes Mathijs VAN DER BURGT	AMODERACA
	(sign name here)		, Assignor
Date	(print name here)	Stefan Marcus VERBRUGH	
	(sign name here)		. Assignor

Page 1 of 2

KRIJN

**Marcellinus Petrus Carolus Michael** 

(print name here)

## Docket No. 2009P01396WOUS

	(sign name here)		<u>. Assignor</u>
Date	(print name here)	Michel Cornelis Josephus Marie	
		VISSENBERG	
	(sign name here)	·	. Assignor
Date	(print name here)	Hao HU	
19-08-2012			
	<u>(sign name here)</u>		<u>. Assignor</u>
Date	(print name here)	Oleg BELIK	
			E <sub>e</sub>
	(sign name here)	A1111111111111111111111111111111111111	. Assignor
Date	(print name here)	Robert-Paul Mario BERRETTY	
	(sign name here)		. Assignor
Date	(print name here)	Lodewijk Daniella Stanislaw HENDRIKS	

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

and assign, and to	ransfer the entire and exclusiv	e right, title, and interest in the following to Ko	minklijke Philips Electronics
N.V., having a pl	lace of business at Groenewou	idseweg 1, 5621 BA Eindhoven, the Netherland	ls, its successors, assigns, and
legal representati	ives, including any nominees	(collectively "the Assignee") my/our invention	for which an application:
is executed or	oncurrently herewith		
was executed	by me/us on	*******************************	
was filed on.	< 19×014×011×011×0×10×10×10×10×10×10×10×10×10×10	having a Serial No	
was filed on.	2010-Nov-24, having an Inter	national Application No. IB2010/055394,	
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	herefrom including, but not limited to, any and	all provisionals, non-
provisionals divi	sions, continuations, continua	tions-in-part, re-examinations, reissues, and ext	ensions thereof, and the right t
claim priority the applications.	ereto, and the entire and exclu	sive right, title, and interest in and to any and a	I 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 of	•
extent. Upon req legal proceedings	uest at the expense of the Ass including patent prosecution ble, 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 ot and maintaining patents on the foregoing inve	rightful oaths, testify in all ner such acts which may be
/We certify that	I/we have the full right to con	vey the above rights.	
	(sign name here)		Applicancen
Date	(print name here)	Petrus Johannes Mathijs VAN DER BURGT	. Assignor
***************************************	(sign name here)		.Assignor
Date	(print name here)	Stefan Marcus VERBRUGH	
	(sign name here)		, Assignor
Date	(print name here)	Marcellinus Petrus Carolus Michael KRIJN	***************************************

Page 1 of 2

to

***************************************	<u> (sign name here)</u>		<u>. Assignor</u>
Date	(print name here)	Michel Cornelis Josephus Marie VISSENBERG	
Date	(sign name here) (print name here)		<u>. Assignor</u>
Date	( <u>sign name here)</u> (print name here)	Oleg BELIK	<u>, Assignor</u>
Date 4/17/2	( <u>sign name bere)</u> UVZ (print name here)	Robert-Paul Mario SERRETTY	. Assignor
	(sign name here)	Ladowiik Bapiella Stanielaw HENDRIKS	<u>. Assignor</u>

and assign, and transfer the N.V., having a place of b	ne entire and exclusive ri usiness at Groenewoudse	re acknowledge receipt, I/we as a below-named ght, title, and interest in the following to Konin weg 1, 5621 BA Eindhoven, the Netherlands, lectively "the Assignee") my/our invention for	iklijke Philips Electronics its successors, assigns, and
	s on, hav	/ing a Serial Noional Application No. IB2010/055394,	••••
therewith, based thereon, provisionals divisions, co	or claiming priority ther intinuations, continuation	ner United States, foreign and international pate efrom including, but not limited to, any and all as-in-part, re-examinations, reissues, and exten e right, title, and interest in and to any and all p	l provisionals, non- sions thereof, and the right to
•		officials in the United States and in any and all the Assignee(s), for its sole use, and that of its	
extent. Upon request at legal proceedings includ	the expense of the Assigning patent prosecution ac	ne Assignee to enjoy the foregoing right, title, a nee, I/we agree to execute all papers, take all ri- tions and infringement actions, and do all othe and maintaining patents on the foregoing invent	ghtful oaths, testify in all r such acts which may be
I/We certify that I/we ha	ve the full right to conve	y the above rights.	
Date	(sign name here) (print name here)	Petrus Johannes Mathijs VAN DER BURGT	Assignor
Date	(sign name here) (print name here)	Stefan Marcus VERBRUGH	, Assignor

Page 1 of 2

KRIJN

Marcellinus Petrus Carolus Michael

(sign name here)

(print name here)

Date

PATENT REEL: 028986 FRAME: 0356

, Assignor

Date	(sign name here) (print name here)	Michel Cornelis Josephus Marie VISSENBERG	. Assignor
Date	(sign name bere) (print name here)	Hao HU	. Assignor
Date	(sign name here) (print name here)	Oleg BELIK	, Assignor
Date	(sign name here) (print name here)	Robert-Paul Mario BERRETTY	. Assignor
<u>20-08-2012</u> Date	(sign name here) (print name here)	Lodewijk/Daniella Stanislaw HENDRIKS	. Assignor