PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHANNES ANTONIUS VAN LIET	11/22/2011
ROBERT PAUL KLEIHORST	10/27/2011
BERNHARD WAGNER	10/25/2011
MARINNUS JOHANNES ADRIANUS MARIA VAN HELVOORT	10/25/2011
PETER-CHRISTIAN HEINRICH HANS-JOACHIM LEYMANN	10/19/2011
ARNO OSTENDORF	10/19/2011

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:	13375824

CORRESPONDENCE DATA

Fax Number: (914)332-0615 Phone: 914-945-6000

Email: vera.kublanov@philips.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

P.O. BOX 3001

Address Line 4: BRIARCLIFF MANOR, NEW YORK 10510

ATTORNEY DOCKET NUMBER: 2009P00959WOUS

PATENT

REEL: 027320 FRAME: 0197

Address Line 1:

Charles E. Kosinski		
page1.tif		
page2.tif		
page3.tif		
page4.tif		
source=2009P00959WOUS_Assignment#page5.tif		
page6.tif		
page7.tif		
page8.tif		
source=2009P00959WOUS_Assignment#page9.tif		
source=2009P00959WOUS_Assignment#page10.tif		
source=2009P00959WOUS_Assignment#page11.tif		
source=2009P00959WOUS_Assignment#page12.tif		

and assign, and transfer N.V., having a place of l	the entire and exclusive r business at Groenewouds	we acknowledge receipt, I/we as a below-na right, title, and interest in the following to K seweg 1, 5621 BA Eindhoven, the Netherlan ollectively "the Assignee") my/our invention	oninklijke Philips Electronics
is executed concurre	ntly herewith		
	us on		
		wing a Serial No	
was filed on. 21-Jun-	2010, having an Internat	ional Application No. PCT/IB2010/052787	•
and all rights in and to s	aid application, and all ot	ther United States, foreign and international	patent applications associated
therewith, based thereon	, or claiming priority the	refrom including, but not limited to, any and	d all provisionals, non-
provisionals divisions, c	ontinuations, continuatio	ns-in-part, reexaminations, reissues, and ex	tensions thereof, and the right to
claim priority thereto, ar	nd the entire and exclusiv	e right, title, and interest in and to any and a	all patents granted on these
applications.	***		
	it when granted, solely to	officials in the United States and in any and Koninklijke Philips Electronics N.V., for it	
extent. Upon request at legal proceedings includ	the expense of the Assigning patent prosecution ac	he 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	l rightful oaths, testify in all ther such acts which may be
I/We certify that I/we ha	ve the full right to conve	y the above rights.	
		1	
NOV. 22 2011	(sign name here)	\	, Assignor
Date	(print name here)	Johannes Antonius VAN VLIET	in strikeren en e
	,		
	(sign name here)	•	, Assignor
Date	(print name here)	Robert Paul KLEIHORST	* * ***********************************
	(print hamo nero)	resort radi temperature	
	(olom nama Bara)		Accionar
Date	(sign name here)	Bernhard WAGNER	, Assignor
	(brust name nere)	Dollman AUGUER	
	(sign name here)		, Assignor

Marinus Johannes Adrianus Maria

VAN HELVOORT

(print name here)

Date

	(sign name here)		, Assignor
Date	(print name here)	Peter-Christian Erich Heinrich Hans-	
		Joachim LEYMANN	
	(sign name here)		, Assignor
		Amo OSTENDORF	

and assign, and transi N.V., having a place	fer the entire and exclusive of business at Groenewoud	I/we acknowledge receipt, I/we as a below-na right, title, and interest in the following to K dseweg 1, 5621 BA Eindhoven, the Netherlan collectively "the Assignee") my/our invention	oninklijke Philips Electronics ds, its successors, assigns, and
is executed concu			
was executed by n	ne/us on	******************************	
was filed on	, h	naving a Serial No.	eterrira.
was filed on. 21-J	un-2010, having an Interna	ational Application No. PCT/IB2010/052787,	
therewith, based there provisionals divisions	on, or claiming priority the , continuations, continuation	other United States, foreign and international erefrom including, but not limited to, any and ons-in-part, reexaminations, reissues, and externations, title, and interest in and to any and a	all provisionals, non- ensions thereof, and the right to
any and all Letters Pai	quest that the Patent Office ent when granted, solely to ad legal representatives.	e officials in the United States and in any and o Koninklijke Philips Electronics N.V., for its	all foreign countries to issue sole use, and that of its
extent. Upon request a legal proceedings included	at the expense of the Assig uding patent prosecution as r convenient for securing a	the Assignee to enjoy the foregoing right, title mee, I/we agree to execute all papers, take all ctions and infringement actions, and do all oth 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 conve	ey the above rights.	
	(sign name here)		, Assignor
Date	(print name here)	Johannes Antonius VAN VLIET	, Assignor
27-0CT-2011	(sign name here)	RVleihons	
Date	(print name here)	Robert Paul KLEIHORST	, Assignor
	(sign name here)	ROUGH Faus KLESHOKSI	, Assignor
Date	(print name here)	Bernhard WAGNER	And the second s
D	(sign name here)		, Assignor
Date	(print name here)	Marinus Johannes Adrianus Maria	(After the control of the same and the After the control of the co

VAN HELVOORT

PATENT REEL: 027320 FRAME: 0201

	(sign name here)		, Assignor
Date	(print name here)	Peter-Christian Erich Heinrich Hans- Joachim LEYMANN	
	(sign name here)		, Assignor
Date	(print name here)	Arno OSTENDORF	

For good and value	able consideration, of which I	/we acknowledge receipt, I/we as a below-nar	ned Assignance: hereby call
and assign, and tra	nsfer the entire and exclusive	right, title, and interest in the following to Ko	minkliike Philine Fleatroniae
N.V., having a pla	ce of business at Groenewoud	seweg 1, 5621 BA Eindhoven, the Netherland	de its encogeors assigns and
legal representative	es, including any nominees (c	ollectively "the Assignee") my/our invention	for which an application:
is executed con	currently herewith		
	y me/us on		
		aving a Serial No.	
was filed on. 21	I-Jun-2010, having an Interna	tional Application No. PCT/IB2010/052787,	
and all rights in an	d to said application, and all c	ther United States, foreign and international p	patent applications associated
therewith, based th	ereon, or claiming priority the	prefrom including, but not limited to, any and	all provisionals, non-
provisionals division	ons, continuations, continuation	ons-in-part, reexaminations, reissues, and exte	nsions thereof, and the right to
claim priority there applications.	eto, and the entire and exclusive	ve right, title, and interest in and to any and al	I patents granted on these
		officials in the United States and in any and a Koninklijke Philips Electronics N.V., for its	
	, and legal representatives.		
I/We will provide n	ny/our cooperation to enable	the Assignee to enjoy the foregoing right, title	, and interest to the fullest
		nee, I/we agree to execute all papers, take all	
		ctions and infringement actions, and do all oth	
necessary, desirable	e, or convenient for securing a	and maintaining patents on the foregoing inver	ntion or for perfecting title
thereto in the Assig			
I/We certify that I/v	ve have the full right to conve	y the above rights.	
	(sign name here)		, Assignor
Date	(print name here)	Johannes Antonius VAN VLIET	
	(sign name here)		, Assignor
Date	(print name here)	Robert Paul KLEIHORST	
<u> 2011 - 10 - 25</u>	(sign name here)	Bernhard Wagner	, Assignor
Date	(print name here)	Bernhard WAGNER	
	(sign name here)		, Assignor
Date	(print name here)	Marinus Johannes Adrianus Maria	
		VAN HELVOORT	

	(sign name here)		, Assignor
Date	(print name here)	Peter-Christian Erich Heinrich Hans-	
	۶	Joachim LEYMANN	
	(sign name here)		, Assignor
Date	(print name here)	Arno OSTENDORE	

nd assign, and tra N.V., having a pla	ansfer the entire and exclusive ace of business at Groenewoud	/we acknowledge receipt, I/we as a below-naright, title, and interest in the following to K iseweg 1, 5621 BA Eindhoven, the Netherlan ollectively "the Assignee") my/our invention	oninklijke Philips Electronics ds, its successors, assigns, and
was executed l	ncurrently herewith		
		aving a Serial Notional Application No. PCT/IB2010/052787,	
and all rights in an therewith, based the provisionals divisi	nd to said application, and all onereon, or claiming priority the ons, continuations, continuations.	other United States, foreign and international erefrom including, but not limited to, any and ons-in-part, reexaminations, reissues, and ext we right, title, and interest in and to any and a	patent applications associated all provisionals, non- ensions thereof, and the right to
any and all Letters		officials in the United States and in any and o Koninklijke Philips Electronics N.V., for its	
extent. Upon required legal proceedings in	est at the expense of the Assig including patent prosecution ac le, or convenient for securing a	the Assignee to enjoy the foregoing right, titl nee, I/we agree to execute all papers, take all ctions and infringement actions, and do all of 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 conve	by the above rights.	
Date	(sign name here)	Johannes Antonius VAN VLIET	, Assignor
	•	TOMANIA THEOREM THE TENTON	
Date	(sign name here) (print name here)	Robert Paul KLEIHORST	, Assignor
Th.d.	(sign name here)		, Assignor
Date	(print name here)	Bernhard WAGNER	
25 . La 2041	(sign name here)	Mer Helmor	, Assignor
Date	(print name here)	Marinus Johannes Adrianus Maria VAN HELVOORT	

	(sign name here)		, Assignor
Date	(print name here)	Peter-Christian Erich Heinrich Hans-	
		Joachim LEYMANN	
	(sign name here)		, Assignor
Date	(print name here)	Amo OSTENDORF	

and assign, and tra N.V., having a pla	ansfer the entire and exclusive acce of business at Groenewouds	we acknowledge receipt, I/we as a below-nairight, title, and interest in the following to Koseweg 1, 5621 BA Eindhoven, the Netherland ollectively "the Assignee") my/our invention	oninklijke Philips Electronics ds, its successors, assigns, and
was executed l	ncurrently herewith by me/us on, ha l-Jun-2010, having an Internat	aving a Serial No	
therewith, based to provisionals division	hereon, or claiming priority the ions, continuations, continuations,	ther United States, foreign and international prefrom including, but not limited to, any and ens-in-part, reexaminations, reissues, and externe right, title, and interest in and to any and a	all provisionals, non- ensions thereof, and the right to
any and all Letters		officials in the United States and in any and Koninklijke Philips Electronics N.V., for its	
extent. Upon required legal proceedings	est at the expense of the Assign including patent prosecution ac le, or convenient for securing a	he Assignee to enjoy the foregoing right, title nee, I/we agree to execute all papers, take all stions and infringement actions, and do all of 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 conve	y the above rights.	
Date	(sign name here)	Johannes Antonius VAN VLIET	, Assignor
Date	(sign name here) (print name here)	Robert Paul KLEIHORST	, Assignor
Date	(sign name here)	Bernhard WAGNER	, Assignor
_ ****	(sign name here)	DOIMING WAYOUTER	, Assignor
Date	(print name here)	Marinus Johannes Adrianus Maria VAN HELVOORT	

19 10. 11	(sign name here)	P. Lernan	, Assignor
Date	(print name here)	Peter-Christian Erich Heinrich Hans-	
		Joachim LEYMANN	
	(sign name here)		, Assignor
Date	(print name here)	Ame OSTENDORF	

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 pl	ace of business at Groenewouds	ight, title, and interest in the following to Ko eweg 1, 5621 BA Eindhoven, the Netherland llectively "the Assignee") my/our invention	s, its successors, assigns, and
was executed was filed on.		ving a Serial Noional Application No. PCT/IB2010/052787,	
and all rights in a therewith, based provisionals divi	and to said application, and all of thereon, or claiming priority the sions, continuations, continuation	her United States, foreign and international prefrom including, but not limited to, any and as-in-part, reexaminations, reissues, and extee right, title, and interest in and to any and al	all provisionals, non- nsions thereof, and the right to
any and all Lette	Δ,	officials in the United States and in any and Koninklijke Philips Electronics N.V., for its	
extent. Upon reclegal proceedings necessary, desira thereto in the Ass	quest at the expense of the Assign s including patent prosecution ac ble, or convenient for securing a	he Assignee to enjoy the foregoing right, title nee, I/we agree to execute all papers, take all tions and infringement actions, and do all other and maintaining patents on the foregoing inver- ty the above rights.	rightful oaths, testify in all ner such acts which may be
	(sign name here)		, Assignor
Date	(print name here)	Johannes Antonius VAN VLIET	
	(sign name here)		, Assignor
Date	(print name here)	Robert Paul KLEIHORST	
	(sign name here)		. Assignor
Date	(print name here)	Bernhard WAGNER	
	(sign name here)		, Assignor
Date	(print name here)	Marinus Johannes Adrianus Maria VAN HELVOORT	**

	(sign name here)		, Assignor
Date	(print name here)	Peter-Christian Erich Heinrich Hans-	
		Joachim LEYMANN	
19. Oddber 2011	(sign name here)	La Osaloz	, Assignor
Date	(print name here)	Arno OSTENDORE	, 100 mm m m m m m m m m m m m m m m m m

RECORDED: 12/02/2011