502043247 08/30/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Rainer HILBIG	02/07/2011
Joachim OPITZ	02/07/2011

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:	13581870	

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ATTORNEY DOCKET NUMBER:	2010P00214WOUS
NAME OF SUBMITTER:	GiGi LAMPRECHT

Total Attachments: 2

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PATENT REEL: 028875 FRAME: 0275 JH \$40.00 135818/

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. 04-Feb-2011, having an International Application No. PCT/IB2011/050489, 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, nonprovisionals divisions, continuations, continuations-in-part, reexaminations, 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 Koninklijke Philips Electronics N.V., 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. 07-Feb-2011 (sign name here) Assignor HILBIG

OPITZ

Joachim

(sign name here)

(print name here)

Date

PATENT REEL: 028875 FRAME: 0276

. Assignor

For good and valuable c	onsideration, of which I/v	we acknowledge receipt, I/we as a below-na	med Assignor(s), hereby sell,
and assign, and transfer	the entire and exclusive r	right, title, and interest in the following to K	oninklijke Philips Electronics
N.V., having a place of	ousiness at Groenewouds	seweg 1, 5621 BA Eindhoven, the Netherlar	nds, its successors, assigns, and
legal representatives, inc	cluding any nominees (co	ollectively "the Assignee") my/our invention	n for which an application:
is executed concurre	ntly herewith		
was executed by me/	us on	,	
was filed on	, ha	ving a Serial No	
was filed on. 04-Feb	-2011, having an Internat	tional Application No. PCT/IB2011/050489	,
and all rights in and to sa	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 t
claim priority thereto, ar	nd the entire and exclusiv	re right, title, and interest in and to any and a	all patents granted on these
applications.			
I/We authorize and requ	est that the Patent Office	officials in the United States and in any and	all foreign countries to issue
any and all Letters Pater	it when granted, solely to	Koninklijke Philips Electronics N.V., for it	ts sole use, and that of its
successors, assigns, and	legal representatives.		
I/We will provide my/ou	ir cooperation to enable t	he Assignee to enjoy the foregoing right, tit	le, and interest to the fullest
extent. Upon request at	the expense of the Assign	nee, I/we agree to execute all papers, take all	l rightful oaths, testify in all
legal proceedings includ	ing patent prosecution ac	tions and infringement actions, and do all o	ther such acts which may be
necessary, desirable, or o	convenient for securing a	nd maintaining patents on the foregoing inv	ention or for perfecting title
thereto in the Assignee.			
I/We certify that I/we ha	we the full right to conve	y the above rights.	
	(sign name here)		, Assignor
Date	(print name here)	Rainer HILBIG	
		1000	
7.2.2011	(sign name here)	Joac Mitz	, Assignor
Date	(print name here)	Joachim OPITZ	

PATENT REEL: 028875 FRAME: 0277

RECORDED: 08/30/2012