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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Christaan VAREKAMP	01/11/2011
Patrick Luc E. VANDEWALLE	01/11/2011
Mark Jozef Willem MERTENS	01/17/2011

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13519363

CORRESPONDENCE DATA

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US Mail.

Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

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ATTORNEY DOCKET NUMBER:	2010P0089WOUS
NAME OF SUBMITTER:	Barbara Kinney

Total Attachments: 2

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> **PATENT** REEL: 028449 FRAME: 0983

<u>-</u>		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 offectively "the Assignee") my/our invention	
regai representatives, ni	cionnik and nominees for	meenvery use Assignee) my our invention	tor winch an appreamon.
is executed concurre	ently herewith		
	/us on		
		ving a Serial No.	******
		ional Application No. PCT/IB2011/050084,	
and all rights in and to s	said application, and all of	ther United States, foreign and international	patent applications associated
therewith, based thereon	n, or claiming priority the	refrom including, but not limited to, any and	l all provisionals, non-
provisionals divisions, o	continuations, continuatio	ns-in-part, reexaminations, reissues, and ext	ensions thereof, and the right to
claim priority thereto, a	nd the entire and exclusiv	e right, title, and interest in and to any and a	Il 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
		Koninklijke Philips Electronics N.V., for it	· · · · · · · · · · · · · · · · · · ·
successors, assigns, and	legal representatives.		
		he Assignee to enjoy the foregoing right, titl	
		nee, I/we agree to execute all papers, take al	
	2.2	tions and infringement actions, and do all of	· ·
necessary, desirable, or thereto in the Assignee.	convenient for securing a	nd maintaining patents on the foregoing inve	ention or for perfecting title
mereto in the Assignee.			
I/We certify that I/we ha	ave the full right to conve	y the above rights.	
11 jan 2011	à si	- C. Walay	x - 2°
- marine	***************************************		, Assignor
Date	(print name here)	Christiaan VAREKAMP	
	(sign name here)		Assanas
Date	(print name here)	Patrick Luc E. VANDEWALLE	, Assignor
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		1.10	
177 JAN 2011.	(sign name here)	pp. 1	, Assignor
Date	(print name here)	Mark/Jozef Willem MERTENS	
		1	

PATENT REEL: 028449 FRAME: 0984

to

For good and valua	ble consideration, of which I/s	we acknowledge receipt, I/we as a below-nan	ed Assignor(s), hereby sell,
and assign, and trar	nsfer the entire and exclusive r	ight, title, and interest in the following to Ko	ninklijke Philips Electronics
N.V., having a place	e of business at Groenewouds	eweg 1, 5621 BA Eindhoven, the Netherland	s, its successors, assigns, and
legal representative	s, including any nominees (co	llectively "the Assignee") my/our invention	or which an application:
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is executed conc	· · · · · · · · · · · · · · · · · · ·		
	y me/us on		
		ving a Serial No.	erginee and a second of the se
was filed on. 10	-Jan-2011, having an internati	ional Application No. PCT/IB2011/050084,	**
and all market in an	l'éa anid annilantian, and all at	her United States, foreign and international p	hateinesse saniteestare trate
 -	7.4	refrom including, but not limited to, any and	
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••		e right, title, and interest in and to any and al	
applications.	er, una esta ostaro anta orea ace.	a right, thus, and the read in the same to	
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any and all Letters successors, assigns. I/We will provide rextent. Upon requellegal proceedings in necessary, desirable thereto in the Assignment.	Patent when granted, solely to and legal representatives. my/our cooperation to enable the est at the expense of the Assignation and according patent prosecution actes, or convenient for securing a gree. we have the full right to convenient and the expense of the according to the full right to convenient for securing a gree.	officials in the United States and in any and a Koninklijke Philips Electronics N.V., for its the Assignee to enjoy the foregoing right, title nee, I/we agree to execute all papers, take all ctions and infringement actions, and do all off and maintaining patents on the foregoing inverty the above rights.	sole use, and that of its , and interest to the fullest rightful oaths, testify in all ner such acts which may be ntion or for perfecting title
	(sign name here)		, Assignor
Date	(print name here)	Christiaan VAREKAMP	
7,000 11 / 2,01 Date	(sign name here)	Patrick Luc E. VANDEWALLE	, Assignor
2			
	(sign name here)		, Assignor
Date	(print name here)	Mark Jozef Willem MERTENS	秦城 中380
			radioas ()

PATENT REEL: 028449 FRAME: 0985

RECORDED: 06/27/2012