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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NICOLLE HANNEKE VAN SCHIJNDEL	07/20/2010
TIM JOHANNES WILLEM TIJS	07/21/2010
RACHEL ESTELLE THILWIND	07/26/2010
MARTIJN KRANS	07/19/2010

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:	13383707

CORRESPONDENCE DATA

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

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: Michael E. MARION Address Line 1: P.O. BOX 3001

Address Line 2: Intellectual Property & Standards

Address Line 4: BRIARCLIFF MNR., NEW YORK 10510-8001

ATTORNEY DOCKET NUMBER:	2009P01080WOUS
NAME OF SUBMITTER:	DANIEL C. SHERIDAN

PATENT

REEL: 027523 FRAME: 0911

Total Attachments: 4

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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 t	he entire and exclusive	right, title, and interest in the fo	ollowing to Konink	ilijke Philips Elec	tronics
N.V., having a place of b	usiness at Groenewoud	seweg 1, 5621 BA Eindhoven,	the Netherlands, its	s successors, assi	gns, and
legal representatives, inc	luding any nominees (co	ollectively "the Assignee") my	our invention for v	vhich an applicati	on:
is executed concurren	*				
was executed by me/u					
		aving a Serial No.			
X was filed on. 16-Jul-2	010, having an internat	ional Application No. PCT/IB2	010/053245,		
and all rights in and to as	id application, and all a	ther United States, foreign and	internetional nates	t amplications are	onintad.
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		ve right, title, and interest in an			
applications.					
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I/We authorize and reque	st that the Patent Office	officials in the United States a	nd in any and all fo	oreign countries t	o issue
any and all Letters Patent	when granted, solely to	Koninklijke Philips Electroni	es N.V., for its sole	use, and that of	its
successors, assigns, and !	egal representatives.				
•	•	the Assignee to enjoy the foreg		:	
	-	nee, I/we agree to execute all p			
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•	onvenient for securing a	and maintaining patents on the	roregoing invention	n or for perfecting	guue
thereto in the Assignee.					
I/We certify that I/we have	ve the full right to conve	ev the above rights.			- 13 - 2
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1010s yauf ac	(sign name here)	- Nicolla i Sil	undel	, Assignor	*57
Date	(print name here)	Nicolle Hanneke VAN			
		SCHIJNDEL			
	(sign name here)			Assignor	
Date	(print name here)	Tim Johannes Willem	TIJS		
	Z 5			A	
70-4-	(sign name here)	Doobal Estalla TIII W	NID.	, Assignor	
Date	(print name here)	Rachel Estelle THILW	11417		
	(sign name here)			, Assignor	
Date	(print name here)	Martijn KRANS	-	-	 ;

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 Groenewouds	seweg 1, 5621 BA Eindhoven, the Nether	lands, its successors, assigns, and
legal representatives, in	cluding any nominees (co	ollectively "the Assignee") my/our invent	ion for which an application:
is executed concurr	ently herewith		
	e/us on		
		wing a Serial No.	
		onal Application No. PCT/IB2010/05324	
and all rights in and to	said application, and all o	ther United States, foreign and internation	nal patent applications associated
		refrom including, but not limited to, any	
		ns-in-part, reexaminations, reissues, and	•
		re right, title, and interest in and to any ar	
	ent when granted, solely to	officials in the United States and in any Koninklijke Philips Electronics N.V., fo	
extent. Upon request a legal proceedings inclu	t the expense of the Assig ding patent prosecution ac convenient for securing a	the Assignee to enjoy the foregoing right, nee, I/we agree to execute all papers, take tions and infringement actions, and do all and maintaining patents on the foregoing	e all rightful oaths, testify in all I other such acts which may be
more of me ressignee.	•		
I/We certify that I/we h	ave the full right to conve	y the above rights.	
	(sign name here)		, Assignor
Date	(print name here)	Nicolle Hanneke VAN	
		SCHIJNDEL	
21-7-2010	(sign name here)		, Assignor
Date	(print name here)	Tim Johannes Willem TUS	, , , , , , , , , , , , , , , , , , , ,
	(prine mano noro)	This wilding will have	
	(sign name here)		, Assignor
Date	(print name here)	Rachel Estelle THILWIND	
	(sign name here)		, Assignor
Date	(print name here)	Martijn KRANS	

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

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•	/ me/us on				
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was med on, to	-Jul-2010, having an Internat	ional Application No. PC1	/15/2010/05/32/45,		
and all rights in and	to said application, and all o	ther United States, foreign	and international n	tent annlications associa	ted
	ereon, or claiming priority the			; = =	
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applications.			•		
I/We authorize and	request that the Patent Office	officials in the United Stat	es and in any and a	ll foreign countries to iss	ue
any and all Letters l	Patent when granted, solely to	Koninklijke Philips Electr	onics N.V., for its	sole use, and that of its	
successors, assigns,	and legal representatives.				
	ny/our cooperation to enable t				
	st at the expense of the Assig				
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	, or convenient for securing a	and maintaining patents on	the foregoing inver	tion or for perfecting title	3
thereto in the Assign	nee.				
I/We certify that I/w	ve have the full right to conve	ey the above rights.			
·	(sign name here)			, Assignor	
Date	(print name here)	Nicolle Hanneke VA	M		
		SCHIJNDEL			
_	(sign name here)			, Assignor	
Date	(print name here)	Tim Johannes Willen	n TIJS		
and the Con-	(-i h)			A •	
<u> 26/07/2010 </u>	(sign name here)	To 1 2 27 4 34 THE SEX	BY FIRM TY	, Assignor	
Date	(print name here)	Rachel Estelle THII	LWIND		
	(cian noma hom)			Assissa	
Date	(sign name here)	Mostiin VDANG		, Assignor	
L∕as©	(print name here)	Martijn KRANS			

PATENT REEL: 027523 FRAME: 0915 For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

and assign, and transfe	er the entire and exclusive r	right, title, and interest in the following to Ko	ninklijke Philips Electronics
N.V., having a place o	f business at Groenewouds	seweg 1, 5621 BA Eindhoven, the Netherland	ls, its successors, assigns, and
legal representatives, i	ncluding any nominees (co	ollectively "the Assignee") my/our invention	for which an application:
is executed concur	rently herewith		
was executed by m	e/us on	national en agreco en spiro de los produções ele é apa est	
was filed on	, ha	ving a Serial No.	******
was filed on. 16-Ju	il-2010, having an Internati	onal Application No. PCT/IB2010/053245,	
and all rights in and to	said application, and all or	ther United States, foreign and international p	patent applications associated
therewith, based there	on, or claiming priority the	refrom including, but not limited to, any and	all provisionals, non-
provisionals divisions,	continuations, continuatio	ns-in-part, reexaminations, reissues, and exte	nsions thereof, and the right to
		e right, title, and interest in and to any and al	1
applications.			
I/We authorize and red	quest that the Patent Office	officials in the United States and in any and	all foreign countries to issue
any and all Letters Pat	ent when granted, solely to	Koninklijke Philips Electronics N.V., for its	sole use, and that of its
-	nd legal representatives.		
	• •		
I/We will provide my/	our cooperation to enable t	he Assignee to enjoy the foregoing right, title	e, and interest to the fullest
-	-	nee, I/we agree to execute all papers, take all	
		ctions and infringement actions, and do all ot	
T - T	-, ,	and maintaining patents on the foregoing inve	
thereto in the Assigned	-	5.	Υ
I/We certify that I/we	have the full right to conve	y the above rights.	
	(sign name here)		, Assignor
Date	(print name here)	Nicolle Hanneke VAN	
	•	SCHUNDEL	
	(sign name here)		, Assignor
Date	(print name here)	Tim Johannes Willem TUS	
	(#,)		
	(sign name here)		, Assignor
Date	(print name here)	Rachel Estelle THILWIND	
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19-7-20/0 Date	(print name here)	Martijn KRANS	, 2 2002 81101
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RECORDED: 01/12/2012