PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HAROLD AGNES WILHELMUS SCHMEITZ	01/09/2013
MAREK JANUSZ BARTULA	04/08/2013
TIM JOHANNES WILLEM TIJS	04/17/2012
GIJS ANTONIUS FRANCISCUS VAN ELSWIJK	04/19/2012
MURRAY FULTON GILLIES	04/17/2012

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:	14008094

CORRESPONDENCE DATA

Fax Number: 9143320615

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

Phone: 914-945-6000

Email: jo.cangelosi@philips.com

Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

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ATTORNEY DOCKET NUMBER:	2011P00326WOUS	
NAME OF SUBMITTER:	Eric G. Halsne	
Signature:	/ERIC. G. HALSNE/	PATENT

502512355 REEL: 031297 FRAME: 0613

14008094

Date:	09/27/2013
Total Attachments: 8 source=2011P00326WOUS_Assignment#pasource=2011P00326WOUS_Assignme	age2.tif age3.tif age4.tif age5.tif age5.tif age6.tif age6.tif

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 ex	ecuted co	encurrently herewith
	was	executed	by me/us on
	was	filed on.	, baving a Serial No.
\boxtimes	was	filed on.	2012-Apr-16, having an International Application No. PCT/IB2012/051875,

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.

9 Jan 2013 Date	(sign name here) (print name here)	Harold Agnes Wilhelmus SCHMEITZ	. Assignor
Date	(sign name here) (print name here)	Marek Janusz BARTULA	, Assignor
Date	(sign name here) (print name here)	Tim Johannes Willem TIJS	. Assignor
Date	(sign name here)	Giis Antonius Franciscus VAN FLSWLIK	. Assignor

Page 2 of 2

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assi and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijko N.V., having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, the Netherlands, its suclegal representatives, including any nominees (collectively "the Assignee") my/our invention for which	e Philips Electronics ccessors, assigns, and
 is executed concurrently herewith is executed by me/us on	
and all rights in and to said application, and all other United States, foreign and international patent ap therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all proviprovisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents applications.	isionals, non- thereof, and the right to
I/We authorize and request that the Patent Office officials in the United States and in any and all foreign any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its succe legal representatives.	•
I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and intextent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful legal proceedings including patent prosecution actions and infringement actions, and do all other such necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or thereto in the Assignee.	oaths, testify in all acts which may be
I/We certify that I/we have the full right to convey the above rights.	
	assignor
8.04.2013 (sign name here) Marek Janusz BARTULA	Assignor
	Assignor

Gijs Antonius Franciscus VAN ELSWIJK

(sign name here)

(print name here)

Date

PATENT REEL: 031297 FRAME: 0617

, Assignor

	(sign name here)		, Assignor
Date	(print name here)	Murray Fulton GILLIES	

Page 2 of 2

and assign, and trar N.V., having a plac	nsfer the entire and exclusive of business at Groenewou	I/we acknowledge receipt, I/we as a below e right, title, and interest in the following t dseweg 1, 5621 BA Eindhoven, the Nethe collectively "the Assignee") my/our inven	o Koninklijke Philips Electronics rlands, its successors, assigns, and
was filed on	/ me/us on,	having a Serial Nonational Application No. PCT/IB2012/05.	
therewith, based the provisionals division	ereon, or claiming priority t ms, continuations, continuat	other United States, foreign and internation herefrom including, but not limited to, any tions-in-part, re-examinations, reissues, and sive right, title, and interest in and to any a	and all provisionals, non- d extensions thereof, and the right to
	Patent when granted, solely	ce officials in the United States and in any to the Assignee(s), for its sole use, and the	"
extent. Upon reque legal proceedings is	est at the expense of the Ass acluding patent prosecution e, or convenient for securing	e the Assignee to enjoy the foregoing right ignee, I/we agree to execute all papers, tak actions and infringement actions, and do a and maintaining patents on the foregoing	re all rightful oaths, testify in all all other such acts which may be
I/We certify that I/v	we have the full right to con	vey the above rights.	
Date	(sign name here) (print name here)	Harold Agnes Wilhelmus SCHMEI	<u>, Assignor</u> TZ
Date	(sign name here) (print name here)	Marek Janusz BARTULA	. Assignor
<u>/ 7 - 4 - 2012</u> Date	(sign name here) (print name here)	Tim Johannes Willem TIJS	, Assignor
		<i>P</i>	

Gijs Antonius Franciscus VAN ELSWIJK

(sign name here)

(print name here)

Date

PATENT REEL: 031297 FRAME: 0619

. Assignor

17-2-2012.	(sign r
Date	(print)

(sign name here) (print name here) Murray Fulton GILLIES

. Assignor

Page 2 of 2

and assign, and transfer N.V., having a place of	r the entire and exclusive business at Groenewou	I/we acknowledge receipt, I/we as a below-na e right, title, and interest in the following to K-dseweg 1, \$621 BA Eindhoven, the Netherlan collectively "the Assignee") my/our invention	oninklijke Philips Electronics ds, its successors, assigns, and
was filed on	2/us on,	having a Serial No	
therewith, based thereo provisionals divisions,	n, or claiming priority the continuations, continuations.	other United States, foreign and international herefrom including, but not limited to, any and ions-in-part, re-examinations, reissues, and excive right, title, and interest in and to any and a	d all provisionals, non- tensions thereof, and the right to
-		ce officials in the United States and in any and to the Assignee(s), for its sole use, and that of	-
extent. Upon request a legal proceedings inclu	t the expense of the Ass ding patent prosecution convenient for securing	e the Assignee to enjoy the foregoing right, titlignee, I/we agree to execute all papers, take all actions and infringement actions, and do all or and maintaining patents on the foregoing inv	l rightful oaths, testify in all ther such acts which may be
I/We certify that I/we h	save the full right to com	vey the above rights.	
Date	(sign name here) (print name here)	Harold Agnes Wilhelmus SCHMEITZ	.Assignor
Date	(sign name here) (print name here)	Marek Janusz BARTULA	. Assignor
Date	(sign name here)(print name here)	Tim Johannes Willem TIJS	.Assignor

(sign name here)

(print name here)

Date

Date	(sign name here) (print name here)	Murray Fulion GILLIES	. Assignor

Page 2 of 2