502710652 03/07/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DOUGLAS ADAM WHITCHER	09/12/2012
BRADLEY STEWART KOEPPEL	09/12/2012
BERNHARD LEWIS HABERLAND	09/12/2012
JEREMY WEBSTER BLAIR	01/16/2013

RECEIVING PARTY DATA

Name:	KONINKLIJKE PHILIPS ELECTRONICS N.V.	
Street Address:	HIGH TECH CAMPUS 5	
City:	EINDHOVEN	
State/Country:	NETHERLANDS	
Postal Code:	5656 AE	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14343395	

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	NOEMI CHAPA	
Signature:	/Noemi Chapa/	
	PATENT	

502710652 REEL: 032372 FRAME: 0726

Date:	03/07/2014		
Total Attachments: 2 source=2011P01331WOUS_ASSIGNMENT#page1.tif source=2011P01331WOUS_ASSIGNMENT#page2.tif			

PATENT REEL: 032372 FRAME: 0727

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 High Tech Campus 5, 5656 AE Eindhoven, the Netherlands, its successors, assigns, and
legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:

	is ex	xecuted concurrently herewith
	was	executed by me/us on
	was	filed on, having a Serial No
X	was	filed on. 2012-Sep-07, having an International Application No. PCT/IB2012/054643,

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.

ペー) 2 - 20 1 2 Date	(sign name here) (print name here)	Double Valla Douglas Adam WHITCHER	. Assignor
<u>9-12-2012</u> Date	(sign name here) (print name here)	Bradley Stewart KOEPPEL	. Assignor
$\frac{9 \cdot 12 \cdot 2012}{\text{Date}}$	(sign name here) (print name here)	Bernhard Lewis HABERLAND	Assignor
Date	(sign name here)	Jeremy Webster RLAIR	. Assignor

PATENT REEL: 032372 FRAME: 0728

RECORDED: 03/07/2014

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 pla	ce of business at High Tech	re right, title, and interest in the following to Campus 5, 5656 AE Eindhoven, the Netherla (collectively "the Assignee") my/our invention	ands, its successors, assigns, and
was executed by was filed on		having a Serial Nonational Application No. PCT/IB2012/0546	
therewith, based the provisionals divisi	nereon, or claiming priority to ons, continuations, continuations,	other United States, foreign and international herefrom including, but not limited to, any a tions-in-part, re-examinations, reissues, and a sive right, title, and interest in and to any and	nd all provisionals, non- extensions thereof, and the right to
	Patent when granted, solely	ce officials in the United States and in any art to the Assignee(s), for its sole use, and that	•
extent. Upon required legal proceedings	lest at the expense of the Ass including patent prosecution le, or convenient for securing	e the Assignee to enjoy the foregoing right, to signee, I/we agree to execute all papers, take actions and infringement actions, and do all g and maintaining patents on the foregoing in	all rightful oaths, testify in all other such acts which may be
I/We certify that I/	we have the full right to con	vey the above rights.	
Date	(sign name here) (print name here)	Douglas Adam WHITCHER	. Assignor
 Date	(sign name here) (print name here)	Bradley Stewart KOEPPEL	. Assignor
Date	(sign name here) (print name here)	Bernhard Lewis HABERLAND	. Assignor
<u> </u>	(sign name here)	Jaramy Wahster RI AID	. Assignor

PATENT REEL: 032372 FRAME: 0729