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PATENT ASSIGNMENT COVER SHEET

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		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PART	Υ DATA				
		Name	Execution Date		
MARCEL BREEUW	ER		11/19/2014		
AMEDEO CHIRIBIRI			11/19/2014		
EIKE NAGEL			11/19/2014		
RECEIVING PARTY	' DATA				
Name: KONINKLIJKE PHILIPS N.V.					
Street Address:	HIGH	HIGH TECH CAMPUS 5			
City:	EINDH	EINDHOVEN			
State/Country:	NETH	NETHERLANDS			
Postal Code:	5656A	E			
Property TypeApplication Number:150					
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U.S.A. Sole/Joint

ASSIGNMENT

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 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:

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, 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 Assignce(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.

and the second second

I/We certify that I/we have the full right to convey the above rights.

19 November 2014	(sign name here)		
Date	(print name here)	Marcei BREEUWER	, Assignor
Date	(print name here)	Amedeo CHIRIBIRI	, Assignor
Date	(print name here)	Elke NAGEL	, Assignor

Page 1 of 1

U.S.A. Sole/Joint

ASSIGNMENT

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 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 executed concurrently herewith was executed by me/us on 🕅 was filed on.

🕅 was filed on. 01 Oct 2014, having an International Application No. PCT/EP2014/071109,

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, 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.

Date

(sign name here) (print name here)

Marcel BREEUWER

Assignor

19/100/2014

(print name here)

Amedeo CHIRIBÌÌ

. Assignor

19 Nov 2014 EIKE NAGEL

Eike NAGEL

, Assignor

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RECORDED: 03/30/2016

PATENT REEL: 038139 FRAME: 0160