

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Abraham Rudolf Balkenende</td> <td>03/02/2012</td> </tr> <tr> <td>Marcus Antonius Verschuuren</td> <td>04/06/2012</td> </tr> <tr> <td>George Immink</td> <td>03/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Abraham Rudolf Balkenende	03/02/2012	Marcus Antonius Verschuuren	04/06/2012	George Immink	03/20/2012		
Name	Execution Date										
Abraham Rudolf Balkenende	03/02/2012										
Marcus Antonius Verschuuren	04/06/2012										
George Immink	03/20/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Koninklijke Philips Electronics N V</td> </tr> <tr> <td>Street Address:</td> <td>Groenewoudseweg 1</td> </tr> <tr> <td>City:</td> <td>Eindhoven</td> </tr> <tr> <td>State/Country:</td> <td>NETHERLANDS</td> </tr> <tr> <td>Postal Code:</td> <td>5621 BA</td> </tr> </table>		Name:	Koninklijke Philips Electronics N V	Street Address:	Groenewoudseweg 1	City:	Eindhoven	State/Country:	NETHERLANDS	Postal Code:	5621 BA
Name:	Koninklijke Philips Electronics N V										
Street Address:	Groenewoudseweg 1										
City:	Eindhoven										
State/Country:	NETHERLANDS										
Postal Code:	5621 BA										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13879824</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13879824						
Property Type	Number										
Application Number:	13879824										
CORRESPONDENCE DATA											
<p>Fax Number: 9143320615  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 914-332-0222        Email: marianne.fox@PHILIPS.COM        Correspondent Name: Michael A. Epstein        Address Line 1: P.O. BOX 3001        Address Line 2: Intellectual Property &amp; Standards        Address Line 4: BRIARCLIFF MNR., NEW YORK 10510-8001</p>											
NAME OF SUBMITTER:	Michael A. Epstein										
Signature:	/MICHAEL A. EPSTEIN/										
Date:	04/17/2013										
<p>Total Attachments: 3        source=assign#page1.tif        source=assign#page2.tif        source=assign#page3.tif</p>											

CH \$40.00 13879824

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:

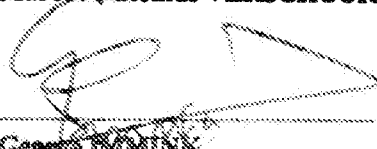
- ☐ is executed concurrently herewith  
☐ was executed by me/us on .....  
☐ was filed on. ...., having a Serial No. ....  
☒ was filed on. 2011-Oct-20, having an International Application No. PCT/IB2011/054680,

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.

_____	(sign name here)	_____	Assignor
Date	(print name here)	Abraham Rudolf BALKENENDE	
_____	(sign name here)	_____	Assignor
Date	(print name here)	Marcus Antonius VERSCHUUREN	
20-10-12	(sign name here)		Assignor
Date	(print name here)	George W. MINK	

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:

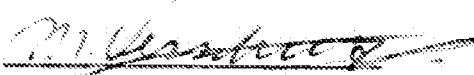
- ☐ is executed concurrently herewith  
☐ was executed by me/us on .....  
☐ was filed on. ...., having a Serial No. ....  
☒ was filed on. 2011-Oct-20, having an International Application No. PCT/IB2011/054680,

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.

_____	(sign name here)	_____	Assignor
Date	(print name here)	Abraham Rudolf BALKENENDE	
<u>0 APRIL 2012</u>	(sign name here)		Assignor
Date	(print name here)	Marcus Antonius VERSCHUUREN	
_____	(sign name here)	_____	Assignor
Date	(print name here)	George IMMINK	

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:

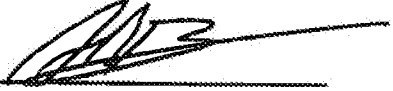
- ☐ is executed concurrently herewith  
☐ was executed by me/us on .....  
☐ was filed on. ...., having a Serial No. ....  
☒ was filed on. 2011-Oct-20, having an International Application No. PCT/IB2011/054680,

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.

<u>2-3 '12</u> Date	<u>(sign name here)</u> (print name here)	 Abraham Rudolf BALKENENDE	_____ Assignor
_____ Date	<u>(sign name here)</u> (print name here)	_____ Marcus Antonius VERSCHUUREN	_____ Assignor
_____ Date	<u>(sign name here)</u> (print name here)	_____ George IMMINK	_____ Assignor