

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>John Douglas Fraser</td> <td>05/14/2013</td> </tr> <tr> <td>Roy Peterson</td> <td>06/05/2013</td> </tr> <tr> <td>Jean-Luc Robert</td> <td>05/14/2013</td> </tr> <tr> <td>Vijay Shamdasani</td> <td>09/16/2013</td> </tr> <tr> <td>Hua Xie</td> <td>05/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	John Douglas Fraser	05/14/2013	Roy Peterson	06/05/2013	Jean-Luc Robert	05/14/2013	Vijay Shamdasani	09/16/2013	Hua Xie	05/14/2013
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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													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13992281</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13992281								
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Application Number:	13992281												
CORRESPONDENCE DATA													
Fax Number:	9143320615												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	914-945-6000												
Email:	elissa.delucy@philips.com												
Correspondent Name:	PHILIPS INTELLECTUAL PROPERTY & STANDARD												
Address Line 1:	P.O. BOX 3001												
Address Line 4:	BRIARCLIFF MANOR, NEW YORK 10510												
ATTORNEY DOCKET NUMBER:	2010P01270WOUS												
NAME OF SUBMITTER:	W. Brinton Yorks, Jr.												
Signature:	/W. Brinton Yorks, Jr./												

CH \$40.00 13992281

Date:

09/19/2013

**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 the entire and exclusive right, title, and interest in the following to Koninklijke Philips Electronics N.V., having a place of business 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 ....., having a Serial No. ....
- was filed on. 2011-Dec-02, having an International Application No. PCT/IB2011/055437,

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, \_e-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>14/05/2013</u>	(sign name here)		_____
Date	(print name here)	John Douglas FRASER	, Assignor
_____	(print name here)	Roy PETERSON	_____
Date	(print name here)	Jean-Luc ROBERT	, Assignor
_____	(print name here)	Vijay SHAMDASANI	_____
Date	(print name here)	Hua XIE	, Assignor

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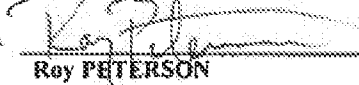
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I/We certify that I/we have the full right to convey the above rights.

_____	(sign name here)	_____	_____
Date	(print name here)	John Douglas FRASER	, Assignor
June 5, 2013	Roy Peterson		_____
Date	(print name here)	Roy PETERSON	, Assignor
_____	(print name here)	Jean-Luc ROBERT	, Assignor
_____	(print name here)	Vijay SHAMDASANI	, Assignor
_____	(print name here)	Hua XIE	, Assignor

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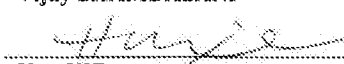
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_____	(print name here)	_____	_____
Date	(print name here)	<b>Roy PETERSON</b>	, Assignor
<u>5/14/2013</u>	<u>jean luc robert</u>		_____
Date	(print name here)	<b>Jean-Luc ROBERT</b>	, Assignor
_____	(print name here)	_____	_____
Date	(print name here)	<b>Vijay SHAMDASANI</b>	, Assignor
<u>5/14/2013</u>	<u>Hua Xie</u>		_____
Date	(print name here)	<b>Hua XIE</b>	, Assignor

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..... Date	(print name here)	Roy PETERSON	..... , Assignor
..... Date	(print name here)	Jean-Luc ROBERT	..... , Assignor
x 09/16/2013 Date	VIJAY SHAMIDASANI (print name here)	Vijay SHAMIDASANI	..... , Assignor
..... Date	(print name here)	Hua XIE	..... , Assignor