

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3605512

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAIYU HAYASHI	05/06/2014
JIANGHONG YU	05/06/2014
GEORG GREUEL	05/18/2014
THOMAS JUSTEL	05/08/2014
CORNELIS REINDER RONDA	06/05/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KONINKLIJKE PHILIPS N V
<b>Street Address:</b>	HIGH TECH CAMPUS 5
<b>City:</b>	EINDHOVEN
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	5656AE
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14889664
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(914)332-0615
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	914-332-0222
<b>Email:</b>	edna.chapa@philips.com
<b>Correspondent Name:</b>	MICHAEL E. MARION
<b>Address Line 1:</b>	P.O. BOX 3001
<b>Address Line 2:</b>	INTELLECTUAL PROPERTY & STANDARDS
<b>Address Line 4:</b>	BRIARCLIFF MNR., NEW YORK 10510-8001
<b>ATTORNEY DOCKET NUMBER:</b>	2013P00513WOUS
<b>NAME OF SUBMITTER:</b>	YULIYA R. MATHIS
<b>SIGNATURE:</b>	/Yuliya Mathis/
<b>DATE SIGNED:</b>	11/06/2015
<b>Total Attachments: 5</b>	

source=2013P00513\_ASSIGNMENT#page1.tif  
source=2013P00513\_ASSIGNMENT#page2.tif  
source=2013P00513\_ASSIGNMENT#page3.tif  
source=2013P00513\_ASSIGNMENT#page4.tif  
source=2013P00513\_ASSIGNMENT#page5.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 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 ....., having a Serial No. ....  
☒ was filed on. 06 May 2014, having an International Application No. PCT/EP2014/059143,

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>6 May 2014</u>	(sign name here)	<u>Daiyu HAYASHI</u>	
Date	(print name here)	Daiyu HAYASHI	, Assignor
_____	(print name here)	_____	_____
Date	(print name here)	Jianghong YU	, Assignor
_____	(print name here)	_____	_____
Date	(print name here)	Georg GREUEL	, Assignor
_____	(print name here)	_____	_____
Date	(print name here)	Thomas JUSTEL	, Assignor
_____	(print name here)	_____	_____
Date	(print name here)	Cornelis Reinder RONDA	, Assignor

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:

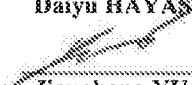
- ☐ is executed concurrently herewith  
☐ was executed by me/us on .....  
☐ was filed on. ...., having a Serial No. ....  
☒ was filed on. **06 May 2014**, having an International Application No. **PCT/EP2014/059143**,

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)	_____	_____
Date	(print name here)	<b>Daiyu HAYASHI</b>	, Assignor
<u>6 May 2014</u>	_____		_____
Date	(print name here)	<b>Jianghong YU</b>	, Assignor
_____	(print name here)	<b>Georg GREUEL</b>	, Assignor
_____	(print name here)	<b>Thomas JUSTEL</b>	, Assignor
_____	(print name here)	<b>Cornelis Reinder RONDA</b>	, Assignor

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. ...., having a Serial No. ....  
☒ was filed on. **06 May 2014**, having an International Application No. **PCT/EP2014/059143**,

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)	_____	_____
Date	(print name here)	Daiyu HAYASHI	, Assignor
_____	(print name here)	_____	_____
Date	(print name here)	Jianghong YU	, Assignor
<u>May 12, 2014</u>	<u>Georg Greuel</u>	_____	_____
Date	(print name here)	Georg GREUEL	, Assignor
_____	(print name here)	_____	_____
Date	(print name here)	Thomas JÜSTEL	, Assignor
_____	(print name here)	_____	_____
Date	(print name here)	Cornelis Reinder RONDA	, Assignor

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. ...., having a Serial No. ....  
☒ was filed on. **06 May 2014**, having an International Application No. **PCT/EP2014/059143**,

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)	_____	_____
Date	(print name here)	Daiyu HAYASHI	, Assignor
_____	(sign name here)	_____	_____
Date	(print name here)	Jianghong YU	, Assignor
_____	(sign name here)	_____	_____
Date	(print name here)	Georg GREUEL	, Assignor
May 8 <sup>th</sup> , 2014	Thomas Jüstel	_____	_____
Date	(print name here)	Thomas JÜSTEL	, Assignor
_____	(sign name here)	_____	_____
Date	(print name here)	Cornelis Reinder RONDA	, Assignor

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 ..... having a Serial No. ....  
☒ was filed on. 06 May 2014, having an International Application No. PCT/EP2014/059143,

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.

Date	(sign name here) (print name here)	Daiyu HAYASHI	, Assignor
Date	(print name here)	Jianghong YU	, Assignor
Date	(print name here)	Georg GREUEL	, Assignor
Date	(print name here)	Thomas JUSTEL	, Assignor
2014/06/05	Cornelis Reinder Ronda	Cornelis Reinder RONDA	, Assignor