

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5892069

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
QIAO HUA	01/28/2015
DECLAN PATRICK KELLY	06/13/2016
JINGWEI TAN	01/04/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KONINKLIJKE PHILIPS N.V.
<b>Street Address:</b>	HIGH TECH CAMPUS 5, 5656 AE
<b>City:</b>	EINDHOVEN
<b>State/Country:</b>	NETHERLANDS
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16725341
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	215-821-8102
<b>Email:</b>	patents@schottpc.com
<b>Correspondent Name:</b>	SCHOTT P.C.
<b>Address Line 1:</b>	610 OLD YORK ROAD, SUITE 400
<b>Address Line 4:</b>	JENKINTOWN, PENNSYLVANIA 19046
<b>ATTORNEY DOCKET NUMBER:</b>	2013P01126US
<b>NAME OF SUBMITTER:</b>	CHRISTY SPRADLEY
<b>SIGNATURE:</b>	/Christy Spradley/
<b>DATE SIGNED:</b>	01/02/2020
<b>Total Attachments: 3</b>	
source=2013P01126US_20200102_Executed Assignment from Parent Application#page1.tif	
source=2013P01126US_20200102_Executed Assignment from Parent Application#page2.tif	
source=2013P01126US_20200102_Executed Assignment from Parent Application#page3.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 Koninkl 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. 12/23/2019, having a Serial No. 16/725341
was filed on, having an International Application No.

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.

Signature lines for Qiao HUA, Declan Patrick KELLY, Guangwei WANG, and Jingwei TAN, each with date and name fields.

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:

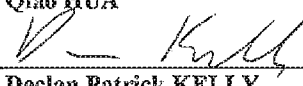
- is executed concurrently herewith
- was executed by me/us on .....
- was filed on ...12/23/2019....., having a Serial No. ....16/725341.....
- was filed on. ...., having an International Application No. ....,

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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)	Qiao HUA	, Assignor
13 June 2016	_____		_____
Date	(print name here)	Declan Patrick KELLY	, Assignor
_____	(print name here)	_____	_____
Date	(print name here)	Guangwei WANG	, Assignor
_____	(print name here)	_____	_____
Date	(print name here)	Jingwei TAN	, 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:

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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)	Qiao HUA	, Assignor
_____	(print name here)	_____	_____
Date	(print name here)	Declan Patrick KELLY	, Assignor
_____	(print name here)	_____	_____
Date	(print name here)	Guangwei WANG	, Assignor
Jan. 4, 2015	(print name here)	谭经纬	_____
Date	(print name here)	Jingwei TAN	, Assignor