503354212 06/17/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUAN SHU	12/03/2013
ALEXANDRE GEORGIEVICH SINITSYN	12/03/2013
INGRID CHRISTINA MARIA FLINSENBERG	12/02/2013
YI QIANG YU	06/17/2015

RECEIVING PARTY DATA

Name:	KONINKLIJKE PHILIPS N.V.	
Street Address:	HIGH TECH CAMPUS 5	
City:	EINDHOVEN	
State/Country:	NETHERLANDS	
Postal Code:	5656 AE	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14652734

CORRESPONDENCE DATA

Fax Number: (914)332-0615

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.

Email: patti.demichele@Philips.com

PHILIPS IP&S Correspondent Name:

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ATTORNEY DOCKET NUMBER:	2012P00910WO01US
NAME OF SUBMITTER:	MICHAEL E. MARION
SIGNATURE:	/Michael E. Marion/
DATE SIGNED:	06/17/2015

Total Attachments: 4

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PATENT REEL: 035853 FRAME: 0390 503354212

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

a place of business	s at High Tech Campus 5,5656	right, title, and interest in the following to K i AE. Eindhoven, the Netherlands, its successively "the Assignee") my/our invention for v	sors, assigns, and legal
was executed b	scurrently herewith by me/us on	iving a Scrial No.	estronio.
and all rights in an therewith, based the provisionals divisi	d to said application, and all o tereon, or claiming priority the ons, continuations, continuation	tional Application No. PCT/IB2013/060546 ther United States, foreign and international trefrom including, but not limited to, any and this-in-part, re-examinations, reissues, and ex tre right, title, and interest in and to any and a	patent applications associated fall provisionals, non- tensions thereof, and the right to
I/We authorize and any and all Letters legal representative	Parent when granted, solely to	officials in the United States and in any and that of the Assignee(s), for its sole use, and that of	all foreign countries to issue its successors, assigns, and
extent. Upon requiregal proceedings i	est at the expense of the Assig nebuding patent prosecution as e, or convenient for securing a	he Assignee to enjoy the foregoing right, titi nee. I/we agree to execute all papers, take all ctions and infringement actions, and do all or and maintaining patents on the foregoing invi	Frightful oaths, testify in all her such acts which may be
I/We certify that I/	we have the full right to conve		
2013/12103	(sign name here)	Andre	
Date	(print name here)	Yuan SHU	, Assignor
Date	(print name here)	Alexandre Georgievich SINITSYN	, Assignor
Date	(print name here)	Ingrid Christina Maria FLINSENBERG	, Assignor
Date	(print name here)	Yi Qiang YU	Assigner

Page 1 of 1

, 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

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 3 Dec 2013	(print name here)	Yuan SHC	Assignor
Date	(print name here)	Alexandre Georgiévich SINITSYN	, Assignor
Date	(print name here)	Ingrid Christina Maria FLINSENBERG	, Assignor
Date	(print name here)	Yi Qiang YU	, Assignor

Page 1 of 1

		we acknowledge receipt, I/we as a below-na right, title, and interest in the following to Ka	* ' ' '
		AE, Eindhoven, the Netherlands, its success	•
		vely "the Assignee") my/our invention for w	
e agreement were, the	mannê mîs nommera feomern	very and ressigned y myreus invention for w	men an approxima.
is executed cone	currently herewith		
	y me/us on	***************************************	
		rving a Serial No	(0)(0)()
was filed on. 02	Dec 2013, having an Internal	tional Application No. PCT/IB2013/060546,	
therewith, based the provisionals divisio	ereon, or claiming priority the ms, continuations, continuatio	ther United States, foreign and international prefrom including, but not limited to, any and ensine-in-part, re-examinations, reissues, and experight, title, and interest in and to any and a	all provisionals, non- tensions thereof, and the right to
	Patent when granted, solely to	officials in the United States and in any and the Assignee(s), for its sole use, and that of	
extent. Upon reque legal proceedings it	st at the expense of the Assig scluding patent prosecution as e, or convenient for securing a	he Assignee to enjoy the foregoing right, titl nee, I/we agree to execute all papers, take all ctions and infringement actions, and do all ot and maintaining patents on the foregoing inve	rightful oaths, testify in all her such acts which may be
I/We certify that I/v	ve have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Yaan SHU	, Assignor
Date	(print name here)	Alexandre Georgievich SINITSYN	
2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.		ITC-las	
Date	(print name here)	Ingrid Christina Maria	, Assignor
		FLINSENBERG	
Date	(print name here)	Yi Qisag YU	, Assignor

Page 1 of 1

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ASSIGNMENT

(xign name bere) Date (print pane bere) Vuns SHU ASSERIO
I/We certify that I/we have the full right to convey the above rights.
[/We will provide my/our cooperation to enable the Assignce to enjoy the foregoing right, title, and interest to the follest extent. Upon request at the expense of the Assignce, 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 Assignce.
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.
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 t claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.
☐ is executed concurrently herewith ☐ was executed by me'us on
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 Assignce") my/our invention for which an application:

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Alexandre Georgievich SINITSYN

Ingrid Christina Maria

PLINSENBERG

, Assignor

, Assignor

, Assignor

Date

Date

(print name here)

(print name here)