503558885 11/06/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT3605512 Stylesheet Version v1.2

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14889664

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.

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ATTORNEY DOCKET NUMBER: 2013P00513WOUS

NAME OF SUBMITTER: YULIYA R. MATHIS

SIGNATURE: /Yuliya Mathis/

DATE SIGNED: 11/06/2015

Total Attachments: 5

PATENT REEL: 036980 FRAME: 0765

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> PATENT REEL: 036980 FRAME: 0766

•		we acknowledge receipt, I/we as a below ight, title, and interest in the following	
		AE, Eindhoven, the Netherlands, its su	
==		vely "the Assignee") my/our invention	
is executed con	ncurrently herewith		
was executed t	y me∕us on	***************************************	
was filed on	, ha	ving a Serial No	***************************************
was filed on. 0	6 May 2014, having an Interna	tional Application No. PCT/EP2014/0:	59143,
and all rights in ar	nd to said application, and all ot	her United States, foreign and internation	onal patent applications associated
therewith, based th	nereon, or claiming priority the	refrom including, but not limited to, any	and all provisionals, non-
provisionals divisi	ons, continuations, continuation	ns-in-part, re-examinations, reissues, an	d extensions thereof, and the right to
claim priority ther applications.	eto, and the entire and exclusiv	e right, title, and interest in and to any a	and all patents granted on these
	s Patent when granted, solely to	officials in the United States and in any the Assignee(s), for its sole use, and th	
extent. Upon requiegal proceedings	est at the expense of the Assign including patent prosecution ac le, or convenient for securing a	the Assignee to enjoy the foregoing right nee, I/we agree to execute all papers, talk tions and infringement actions, and do nd maintaining patents on the foregoing	ke all rightful oaths, testify in all all other such acts which may be
I/We certify that I.	/we have the full right to conve	y the above rights.	
an de de la	40	0 / 24 / .	
- 6 May 20	(sign name here) (print name here)	Dayu Bayadi Dayu HAYASHI	<u></u>
Date	(print name here)	Daiyu HAYASHI	, Assignor
Date	(print name here)	Jianghong YU	, Assignor
Date	(print name here)	Georg CREUEL	, Assignor
Date	(print name here)	Thomas JUSTEL	, Assignor
Date	(print name here)	Cornelis Reinder RONDA	, Assignor

Page 1 of 1

and assign, and transfe a place of business at F	r the entire and exclusive ligh Tech Campus 5,565		
is executed concurr	ently herewith		
	sus on		
		naving a Serial No	
was filed on. 06 Ms	y 2014, having an Inter	national Application No. PCT/EP20	14/059143,
and all rights in and to	said application, and all	other United States, foreign and inte	mational patent applications associated
		erefrom including, but not limited to	- · · ·
provisionals divisions,	continuations, continuat	ons-in-part, re-examinations, reissue	es, and extensions thereof, and the right to
claim priority thereto, a	and the entire and exclus	ive right, title, and interest in and to	any and all patents granted on these
applications.			
I/We authorize and req	nest that the Patent Offic	e officials in the United States and i	n any and all foreign countries to issue
			nd that of its successors, assigns, and
legal representatives.		•	, ,
extent. Upon request a legal proceedings inclu	t the expense of the Assi ding patent prosecution a convenient for securing	gnee, I/we agree to execute all paper actions and infringement actions, and	right, title, and interest to the fullest rs, take all rightful oaths, testify in all d do all other such acts which may be going invention or for perfecting title
I/We certify that I/we h	ave the full right to conv	ey the above rights.	
	(sign name here)		
Date	(print name here)	Daiyu HAYASHI	, Assignor
6 May 2014		ment for the second	
Date	(print name here)	Jianghong YU	, Assignor
Date	(print name here)	Georg GREUEL	, Assignor
Date	(print name here)	Thomas JÜSTEL	, Assignor

Page 1 of 1

(print name here)

Date

Cornelis Reinder RONDA

, Assignor

U.S.A. Sole/Joint

ASSIGNMENT

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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was	executed b	y me/u	is 08	ولإستوارة مؤرورة فتقاربه والمراورة والإستوارة		į.	
was	filed on		e v v e z z si e z o česneve so esizore z	having a	Serial No	e in allela inde d'ambre è le amblece e	e de la composición d
			2014, having a				

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
Date	(print name here)	Jianghong YU	, Assignor
Date	/Egry /sec.el (print/name here)	Georg GREUEL	, Assignor
Date	(print name here)	Thomas JÜSTEL	, Assignor
Date	(print name here)	Cornelis Reinder RONDA	, Assignor

Page 1 of 1

U.S.A. Sole/Joint

Date

ASSIGNMENT

and assign, and tr a place of busines	ansfer the entire and exclusive r s at High Tech Campus 5,5656		
	ncurrently herewith by me/us on		
		ving a Serial No	
		tional Application No. PCT/EP20	
therewith, based t provisionals divis	hereon, or claiming priority thereions, continuations, continuations, continuations	refrom including, but not limited to ns-in-part, re-examinations, reissue	rnational patent applications associated o, any and all provisionals, non- es, and extensions thereof, and the right to any and all patents granted on these
	s Patent when granted, solely to		n any and all foreign countries to issue nd that of its successors, assigns, and
extent. Upon required legal proceedings necessary, desiral thereto in the Ass	uest at the expense of the Assign including patent prosecution acole, or convenient for securing a	nee, I/we agree to execute all paper tions and infringement actions, and nd maintaining patents on the fore	right, title, and interest to the fullest rs, take all rightful oaths, testify in all do all other such acts which may be going invention or for perfecting title
	(sign name here)		
Date	(print name here)	Daiyu HAYASHI	, Assignor
Date	(print name here)	Jianghong YU	, Assignor
Date	(print name here)	Georg GREUEL	, Assignor
Day Oth L	(print namehere)	Thomas JUSTEH	, Assignor

Page 1 of 1

(print name here)

Cornelis Reinder RONDA

, Assignor

RECORDED: 11/06/2015

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

•		ight, title, and interest in the following to	
-		AE, Eindhoven, the Netherlands, its success "the Assistance" profession for	*
representatives, me	roung any nonunees (conecu-	vely "the Assignee") my/our invention fo	n which an application.
is executed con	currently herewith		
was executed by	y mesus on		
was filed on	ha	ving a Serial No	**********
was filed on. 06	May 2014, having an Interna	tional Application No. PCT/EP2014/05	9143,
and all rights in and	d to said application, and all ot	her United States, foreign and internation	nal patent applications associated
therewith, based th	ereon, or claiming priority the	refrom including, but not limited to, any	and all provisionals, non-
provisionals division	ons, continuations, continuation	ns-in-part, re-examinations, reissues, and	extensions thereof, and the right to
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applications.			
I/We authorize and	request that the Patent Office	officials in the United States and in any	and all foreign countries to issue
	-	the Assignee(s), for its sole use, and tha	***
legal representative	***		
legal proceedings i necessary, desirabl thereto in the Assig	ncluding patent prosecution ac e, or convenient for securing a	nee, I/we agree to execute all papers, take tions and infringement actions, and do a nd maintaining patents on the foregoing y the above rights.	ll other such acts which may be
	(sign name here)		
Date	(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
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Date	(pript name here)	Cornelis Reinder RONDA	, Assignor
	Made		
		Page 1 of 1	

PATENT REEL: 036980 FRAME: 0771