PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3540658

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MING ZHANG	04/02/2014
BO PAN	06/22/2015
ZHONG HUANG	10/29/2014
GANG WANG	03/28/2014
LEI SUI	09/20/2015

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:	14779658

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.

Phone: 914-945-6000

Email: elissa.deluccy@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:	2012P02034WOUS01
NAME OF SUBMITTER:	MICHAEL E. BELK
SIGNATURE:	/Michael E. Belk/
DATE SIGNED:	09/24/2015

Total Attachments: 5

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			s, and extensions thereof, and the right to
•		· ·	any and all patents granted on these
	•		any and all foreign countries to issue and that of its successors, assigns, and
extent. Upon request legal proceedings incl	at the expense of the Assign uding patent prosecution ac or convenient for securing a	iee, I/we agree to execute all paper tions and infringement actions, and	right, title, and interest to the fullest s, take all rightful oaths, testify in all I do all other such acts which may be going invention or for perfecting title
I/We certify that I/we	have the full right to conve	· ·	
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Date	(print name here)	Ming ZHANG	, Assignor
	(sign name here)		
Date	(print name here)	Bo PAN	, Assignor
	(sign name here)		
Date	(print name here)	Lei SUI	, Assignor
	(sign name here)		
Date	(print name here)	Zhong HUANG	, Assignor

Page 1 of 1

Gang WANG

(sign name here)
(print name here)

Date

PATENT REEL: 036646 FRAME: 0579

, Assignor

and assign, and transfer the a place of business at High	entire and exclusive right Tech Campus 5,5656 AE,	icknowledge receipt, I/we as a below-n, title, and interest in the following to F Findhoven, the Netherlands, its succe "the Assignee") my/our invention for	Coninklijke Philips N.V., having ssors, assigns, and legal
□ was filed on	30, having	; a Serial No. al Application No. PCT/IB2014/0599 9	
therewith, based thereon, or provisionals divisions, conti	claiming priority therefor inustions, continuations-b	United States, foreign and internationa on including, but not limited to, any an n-part, re-examinations, reissues, and eight, title, and interest in and to any and	id all provisionals, non- xtensions thereof, and the right to
· · · · · · · · · · · · · · · · · · ·		cials in the United States and in any an Assignee(s), for its sole use, and that o	1925
extent. Upon request at the legal proceedings including	expense of the Assignee, patent prosecution action	Assignce to enjoy the foregoing right, to I/we agree to execute all papers, take a as and infringement actions, and do all a naintaining patents on the foregoing in	all rightful eaths, testify in all other such acts which may be
I/We certify that I/we have t	the full right to convey th	e above rights.	
*	sign name here)		
Date	print name here)	Ming ZHANG	Assignor
22-6-2015	sign name here)	插图 Pon Bo.	
Date	print name bere)	Bo FXN	, Assignor

Page 1 of 1

Zhong HUANG

Gang WANG

Lei SUI

(sign name bere) (print name bere)

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Date

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PATENT REEL: 036646 FRAME: 0580

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ASSIGNMENT

Decket No. 2012P02034WO 01US

For good and valual	the consideration, of which I/w	e acknowledge receipt, I/we as a b	elow-named Assignor(s), hereby sell, ing to Koninklijke Philips N.V., having
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claim priority there applications.	to, and the entire and exclusive	right, title, and interest in and to a	ny and all patents granted on these
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legal representative	\$	*	
extent. Upon reque legal proceedings is	est at the expense of the Assign reluding patent prosecution ac a, or convenient for securing a	see, I/we agree to execute all paper tions and infringement actions, and	right, title, and interest to the fullest s, take all rightful oaths, testify in all do all other such acts which may be oing invention or for perfecting title
I/We certify that I/s	we have the full right to conve	y the above rights.	
	(sign name hore)		
Date	(print name here)	Ming ZHANG	Assignor
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Date	(print name here)	BoPAN	, Assignor
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	(sign name here)		
Date	(print name here)	LeiSUI	, Assignor
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Date	(print name here)	Zhong HUANG	, Assignor
	(sign name here)		

Page 1 of 1

Gang WANG

(print name here)

Date

PATENT REEL: 036646 FRAME: 0581

, Assignor

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

and the second state of the second second		right, title, and interest in the followi AE, Eindhoven, the Netherlands, its	ng to Koninklijke Philips N.V., having
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is executed conc	urrently herewith		
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	'atent when granted, solely to	officials in the United States and in the Assignee(s), for its sole use, and	any and all foreign countries to issue I that of its successors, assigns, and
legal proceedings in necessary, desirable thereto in the Assign	cluding patent prosecution ac , or convenient for securing a tec.	nee, I/we agree to execute all papers, tions and infringement actions, and a and maintaining patents on the forego	do all other such acts which may be
was certify that was	e have the full right to conve	y ine acove rights.	
	(sign name here)		
Date	(print name here)	Ming ZHANG	, Assignor
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Date	(print name here)	Bo PAN	, Assignor
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Date	(print name here)	LaiSUI	, Assignor
	(sign name here)		
Date	(print name here)	Zhong HUANG	, Assignor
2014 Max. 2)	(sign name here)	Gary Wang	
Date	(print name here)	Gang WANG	, Assignor

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			ring to Koninklijke Philips N.V., having
a place of busines	s at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, i	ts successors, assigns, and legal
representatives, in	cluding any nominees (collecti	vely "the Assignee") my/our inven	tion for which an application:
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I/We authorize an	d request that the Patent Office	officials in the United States and is	n any and all foreign countries to issue
any and all Letter	s Patent when granted, solely to	the Assignee(s), for its sole use, as	nd that of its successors, assigns, and
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I/We will provide	my/our cooperation to enable t	he Assignee to enjoy the foregoing	right, title, and interest to the fullest
			s, take all rightful oaths, testify in all
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thereto in the Ass	ignee		
I/We certify that I	/we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Ming ZHANG	, Assignor
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Page 1 of 1

Gang WANG

PATENT REEL: 036646 FRAME: 0583

, Assignor

(print name here)

Date