PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BEREND JAN WILLEM TER WEEME	04/04/2013
REMCO YURI VAN DE MOESDIJK	05/16/2013
MARCUS JOANNES VAN DEN BOSCH	04/07/2013
YAN XIONG	09/16/2013
XIAOQING DUAN	05/16/2013

RECEIVING PARTY DATA

Name:	Koninklijke Philips Electronics 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:	13978549

CORRESPONDENCE DATA

Fax Number: 9143320615

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 914-332-0222

Email: edna.chapa@philips.com

Correspondent Name: Michael E. MARION

Address Line 1: P.O. BOX 3001

Address Line 2: Intellectual Property & Standards

Address Line 4: BRIARCLIFF MNR., NEW YORK 10510-8001

	2011P00063WOUS01
NAME OF SUBMITTER:	MARK L. BELOBORODOV

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Signature:	/Mark L. Beloborodov/
Date:	09/16/2013
Total Attachments: 5 source=2011P00063_EXEC_ASSIGNMENT source=2011P00063_EXEC_ASSIGNMENT source=2011P00063_EXEC_ASSIGNMENT source=2011P00063_EXEC_ASSIGNMENT source=2011P00063_EXEC_ASSIGNMENT	Γ#page2.tif Γ#page3.tif Γ#page4.tif

PATENT REEL: 031209 FRAME: 0284

to

and assign, and transfer N.V., having a place of t	the entire and exclusive ri ousiness at Groenewoudse	ve acknowledge receipt, I/we as a below-named ght, title, and interest in the following to Konin eweg 1, 5621 BA Eindhoven, the Netherlands, lectively "the Assignee") my/our invention for	nklijke Philips Electronics its successors, assigns, and
was filed on	us on, hav	ving a Serial No	
therewith, based thereon provisionals divisions, e	, or claiming priority ther ontinuations, continuation	ner United States, foreign and international pat efrom including, but not limited to, any and all ns-in-part, re-examinations, reissues, and exten e right, title, and interest in and to any and all p	provisionals, non- sions thereof, and the right
•		officials in the United States and in any and all the Assignee(s), for its sole use, and that of its	-
extent. Upon request at legal proceedings includ	the expense of the Assign ling patent prosecution ac	ne Assignee to enjoy the foregoing right, title, a nee, I/we agree to execute all papers, take all rightions and infringement actions, and do all other and maintaining patents on the foregoing invent	ghtful oaths, testify in all r such acts which may be
I/We certify that I/we ha	ive the full right to convey	y the above rights.	
4 - 4 - 2 = 13 Date	(sign name here) (print name here)	Berend Jan Willem TER WEEME	, Assignor
Date	(sign name here) (print name here)	Remco Yuri VAN DE MOESDIJK	, Assignor
Date	(sign name here) (print name here)	Marcus Joannes VAN DEN BOSCH	, Assignor

Yan XIONG

(sign name here)

(print name here)

Date

PATENT REEL: 031209 FRAME: 0285

, Assignor

		五人义类	
Ja17.5,16	(sign name here)	1212	, Assignor
Date	(print name here)	Xiaoqing DUAN	

Page 2 of 2

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 Electronics N.V., having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:				
was filed on	us on, hav	ving a Serial Noonal Application No. PCT/IB2012/050134,		
therewith, based thereon provisionals divisions, c	, or claiming priority there ontinuations, continuation	ner United States, foreign and international pa efrom including, but not limited to, any and a is-in-part, re-examinations, reissues, and exte eright, title, and interest in and to any and all	Il provisionals, non- nsions thereof, and the right to	
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.				
extent. Upon request at legal proceedings includ	the expense of the Assign ling patent prosecution act	he Assignee to enjoy the foregoing right, title, ee, I/we agree to execute all papers, take all ritions and infringement actions, and do all other administration of the foregoing invented maintaining patents on the foregoing invented.	ightful oaths, testify in all er such acts which may be	
I/We certify that I/we ha	we the full right to convey	the above rights.		
Date	(sign name here) (print name here)	Berend Jan Willem TER WEEME	. Assignor	
16-5-2013 Date	(sign name here) (print name here)	Remeo Yuri VAN DE MOESDIJK	Assignor	
Date:	(sign name here) (print name here)	Marcus Joannes VAN DEN BOSCH	Assignor	

Yan XIONG

(sign name here)

(print name here)

Date

. Assignor

Date

(print name here)

		/we acknowledge receipt, I/we as a below-nar	
· ,		right, title, and interest in the following to Ko	
N.V., baying a place of	business at Groenewoud	seweg 1, 5621 BA Eindhoven, the Netherland	ds, its successors, assigns, and
legal representatives, in	cluding any nominees (c	ollectively "the Assignee") my/our invention	for which an application:
is executed concurre	ently herewith		
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was filed on	erriviani population de la filia	aving a Serial No	
was filed on 2012-J	lan-11, having an Interne	ttional Application No. PCT/IB2012/050134	
and all rights in and to	said application, and all c	ther United States, foreign and international	patent applications associated
therewith, based thereo	n, or claiming priority the	erefrom including, but not limited to, any and	all provisionals, non-
		ons-in-part, re-examinations, reissues, and ex-	
.P		ve right, title, and interest in and to any and a	
applications.			· · · · · · · · · · · · · · · · · · ·
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legal representatives.	ne with granica, solory o	is the resigned of the sone use, not that in	to survesional margini, and
sogai reprosentanivos.			
1/We will provide my/o	ur cooneration to enable	the Assignee to enjoy the foregoing right, title	e, and interest to the fullest
		mee, I/we agree to execute all papers, take all	
		ctions and infringement actions, and do all of	
** ,	2	and maintaining patents on the foregoing inve	
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thereto in the Assignee.			
1/We certific that I/we b	ave the full right to conv	en the showe rights	
is no comy and single	ave me ma right to conv	ey me acoverigues.	
	(sign name here)		. Assignor
Date	(print name here)	Berend Jan Willem TER WEEME	5. 3. 2000 J. 522.00 A.
· 100 100 100	(bring name nere)	DEFEND JAN WHEN IER WEELVIE	
	California a construir de la decentra		Asolonos
Date	(sign name here)	PR	. Assignor
	(print name here)	Remeo Yuri VAN DE MOESDIJK	
m B			
7-1400-2013	(sign name here)		Assignor
Date	(print name here)	Marcus Joannes VAN DEN BOSCH	
	(sign name here)		. Assignor

Yan XIONG

PATENT REEL: 031209 FRAME: 0288

Date

(print name here)

RECORDED: 09/16/2013

and assign, and transfe N.V., having a place of	r the entire and exclusive f business at Groenewou	I/we acknowledge receipt, I/we as a below-nan e right, title, and interest in the following to Ko dseweg 1, 5621 BA Eindhoven, the Netherland collectively "the Assignee") my/our invention t	ninklijke Philips Electronics s, its successors, assigns, and
is executed concurr	ently herewith		
		national Application No. PCT/IB2012/050134,	
therewith, based therec provisionals divisions,	on, or claiming priority the continuations, continuations.	other United States, foreign and international paternational paternation including, but not limited to, any and ions-in-part, re-examinations, reissues, and extended right, title, and interest in and to any and all	all provisionals, non- ensions thereof, and the right to
		ce officials in the United States and in any and to the Assignee(s), for its sole use, and that of i	
extent. Upon request a legal proceedings inclu	t the expense of the Assi ding patent prosecution convenient for securing	e the Assignee to enjoy the foregoing right, title ignee, I/we agree to execute all papers, take all actions and infringement actions, and do all ottand maintaining patents on the foregoing investigations.	rightful oaths, testify in all ier such acts which may be
I/We certify that I/we I	nave the full right to con-	vey the above rights.	
<u>70/3.9, /6</u> Date	(sign name here) (print name here)	Berend Jan Willem TER WEEME	. Assignor
Date	(sign name here) (print name here)	Remco Yuri VAN DE MOESDIJK	. Assignor
Date	(sign name here) (print name here)	Marcus Joannes VAN DEN BOSCH	. Assignor
2013, 9,16	(sign name here)	366 8194 XAG	. Assignor

Yan XIONG

PATENT REEL: 031209 FRAME: 0289