501860702 03/21/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GONGMING WEI	03/31/2011
YADONG LIU	03/21/2012
HENK VAN HOUTEN	03/31/2011
BO LIU	06/20/2011
HUGO JOHAN CORNELISSEN	04/01/2011
XIAOYAN ZHU	03/30/2011
CORNELIS REINDER RONDA	04/01/2011
HENDRIKUS ALBERTUS ADRIANUS MARIA DE RUIJTER	04/08/2011

RECEIVING PARTY DATA

Name:	Koninklijke Philips Electronics N V
Street Address:	Groenewoudseweg 1
City:	Eindhoven
State/Country:	NETHERLANDS
Postal Code:	5621 BA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13142285

CORRESPONDENCE DATA

Fax Number: (914)332-0615 Phone: 914-332-0222

Email: vera.kublanov@philips.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

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

PATENT

REEL: 027900 FRAME: 0801

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ATTORNEY DOCKET NUMBER:	2008P01824WOUS
NAME OF SUBMITTER:	MARK L. BELOBORODOV
Total Attachments: 15 source=2008P01824_EXEC_ASSSIGNMEN	NT#page2.tif NT#page3.tif NT#page4.tif NT#page5.tif NT#page6.tif NT#page7.tif NT#page8.tif NT#page8.tif NT#page8.tif NT#page10.tif NT#page11.tif NT#page12.tif NT#page13.tif
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N.V., having a place	of business at Groenewou	e right, title, and interest in the follow	below-named Assignor(s), hereby sell, ring to Koninklijke Philips Electronics letherlands, its successors, assigns, and invention for which an application:
is executed concu	rrently herewith		
	ne/us on		
was filed on		naving a Serial No.	
a was filed on, 2009-	DEC-22	having an International Applica	tion No
PCT/IB2009/055895.	***************************************	·····,	tton (vo
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I/We authorize and req any and all Letters Pate successors, assigns, and	on when granted, solely to	e officials in the United States and in a S Koninklijke Philips Electronics N.V	any and all foreign countries to issues ., for its sole use, and that of its
legal proceedings inclu-	ding patent prosecutional a convenient for securing a	the Assignee to enjoy the foregoing rignee, I/we agree to execute all papers, actions and infringement actions, and maintaining patents on the foregoing	take all rightful oaths, testify in all
I/We certify that I/we ha	ave the full right to convey	y the above rights.	
0[[.3,3] Date	(sign name here) (print name here)	WEI, Gongming	, Assignor
missaga at financia se a se	(sign name here)		, Assignor

LIU, Yadong

Date

(print name here)

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We will provide myfour cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the falket extent. Upon request at the expense of the Assignee, live agree to execute all papers, rake all rightful oaths, testify ingit legal proceedings including potent prosecutional actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintening patents on the foregoing invention or for perfecting fille thereto in the Assignee.	I/We suthorize and request that the Patent Office officials in the United States and its any and all foreign countries to bester my and all Letters Patent when granted, solely to Koninklijke Philips Electronics N.V., for its sole use, and that of its sneedssors, 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 timited to, any and all provisionates, doner, provisionals divisions, continuations, continuations in-part reexaminations, reissues, and extensions thereof, and the right to chain priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on those applications.	[]] is executed concurrently decreavith []] was executed by metas do	For good and valuable consideration, of which live acknowledge receipt, hwe as a below-named Assignment), hereby sell, and assign, and transfer the entire and exclusive right, file, and interest in the following to Koninklijke Pallips Placeronics N.V., having a place of business a finenewoodsewer I. 5621 Bis Bindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignmen") my/on/ invention for which an application:

If We certify that I we have the full right to correct the above rights.

(sign name here)

WEI. Gongming

MONTH STREET

(print name here)

ASSISTANT

Date	Date	Date	Date	Date	311312014 Date
(sign name here) (print name here)	(sign name here)	(sign name here) (print name here)	(sign name here) (print name here)	(sign name here) (print name here)	(sign name here) (print name here)
RUIJTER, Hendrikus albertus adrianus maria de	RONDA, Cornelis Reinder	ZHU, Xiaoyan	CORNELISSEN, Hugo Johan	LIU, Bo	HOUTEN, Henk van
, Assignor	, Assignor	, Assignor	, Assignor	, Assignor	, Assignor

and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips Electronics legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application: N.V., having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, the Netherlands, its successors, assigns, and For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

PCT/IB2009/055895	was filed on. 2009-DEC-22 having an International Application No	was filed on, having a Serial No	was executed by me/us on	is executed concurrently herewith	
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claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents gramed on these provisionals divisions, continuations, continuations-in-part, reexaminations, reissues, and extensions thereof, and the right to applications therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, nonand all rights in and to said application, and all other United States, foreign and international patent applications associated

successors, assigns, and legal representatives. any and all Letters Patent when granted, solely to Koninklijke Philips Electronics N.V., for its sole use, and that of its I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issues

extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all thereto in the Assignee necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title legal proceedings including patent prosecutional actions and infringement actions, and do all other such acts which may be I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest

I/We certify that I/we have the full right to convey the above rights.

Date	Date
(sign name here)	(sign name here)
LIU, Yadong	WEI, Gongming
. Assignor	, Assignor

Date	Date	Date	Date	Date	31/3/2014 Date
(sign name here)	(sign name here) (print name here)	(sign name here) (print name here)	(sign name here) (print name here)	(sign name here) (print name here)	(sign name here)
RUIJTER, Hendrikus albertus adrianus maria de	RONDA, Cornelis Reinder	ZHU, Xiaoyan	CORNELISSEN, Hugo Johan	LIU, Bo	HOUTEN, Henk van
. Assignor	. Assignor	, Assignor	, Assignor	, Assignor	, Assignor

N.V., having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, the Netherlands, its successors, assigns, and and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips Electronics For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell, 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, having a Serial No
a was filed on. 2009-DEC-22 having an International Application No
PCT/IB2009/055895

claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications. provisionals divisions, continuations, continuations-in-part, reexaminations, reissues, and extensions thereof, and the right to therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, nonand all rights in and to said application, and all other United States, foreign and international patent applications associated

successors, assigns, and legal representatives any and all Letters Patent when granted, solely to Koninklijke Philips Electronics N.V., for its sole use, and that of its I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issues

thereto in the Assignee necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title 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 prosecutional actions and infringement actions, and do all other such acts which may be I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest

I/We certify that I/we have the full right to convey the above rights.

Date	Date
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LIU, Yadong	WEI, Gongming
, Assignor	, Assignor

Date	Date	Date	Date	2011. 6.70 Date	Date
(sign name here)	(sign name here) (print name here)	(sign name here)	(sign name here)	(sign name here) (print name here)	(sign name here) (print name here)
RULJTER, Hendrikus albertus edrianus maria de	RONDA, Cornelis Reinder	ZHU, Kiaoyan	CORNELISSEN, Hugo Johan	Bo Lia 2/118	HOUTEN, Henk van
, Assignor	Assignor	. Assignor	Assignor	. Assignor	, Assignor
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legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application: 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 For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these provisionals divisions, continuations, continuations-in-part, reexaminations, reissues, and extensions thereof, and the right to therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non and all rights in and to said application, and all other United States, foreign and international patent applications associated

successors, assigns, and legal representatives any and all Letters Patent when granted, solely to Koninklijke Philips Electronics N.V., for its sole use, and that of its I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issues

necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee 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 prosecutional actions and infringement actions, and do all other such acts which may be I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest

I/We certify that I/we have the full right to convey the above rights.

Date	Date
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LIU, Yadong	WEI, Gongming
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	, Assignor	, Assignor	, Assignor	, Assignor	, Assignor	, Assignor

Date	Date	I/We will provide my/c extent. Upon request a legal proceedings inclu necessary, desirable, or thereto in the Assignce I/We certify that I/we h	I/We authorize and r any and all Letters P successors, assigns,	and all rights in and therewith, based then provisionals division claim priority therete applications.	is executed concurrently herewith was executed by me/us on was filed on	For good and valuab and assign, and trans N.V., having a place legal representatives
(sign name here)	(sign name here)	I/We will provide my/our cooperation to enable the Assignce to enjoy the foregoin extent. Upon request at the expense of the Assignce, I/we agree to execute all papelegal proceedings including patent prosecutional actions and infringement actions, necessary, desirable, or convenient for securing and maintaining patents on the for thereto in the Assignce. I/We certify that I/we have the full right to convey the above rights.	I/We authorize and request that the Patent Office officials in the United States and any and all Letters Patent when granted, solely to Koninklijke Philips Electronics I successors, assigns, and legal representatives.	to said application, and all other econ, or claiming priority therefis, continuations, continuations- on and the entire and exclusive r	is executed concurrently herewith was executed by me/us on having a Scrial No was filed on 2009-DEC-22having an Interna was filed on 2009-DEC-22having an Interna	For good and valuable consideration, of which I/we acknowledge pand assign, and transfer the entire and exclusive right, title, and into N.V., having a place of business at Groenewoudseweg 1, 5621 BA legal representatives, including any nominees (collectively "the Asserted Regal representatives).
LIU, Yadong	WEI, Gongming	I/We will provide my/our cooperation to enable the Assignce to enjoy the foregoing right, title, and interest to the fullest 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 prosecutional 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 certify that I/we have the full right to convey the above rights.	I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to i any and all Letters Patent when granted, solely to Koninklijke Philips Electronics N.V., 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, reexaminations, 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.	is executed concurrently herewith was executed by me/us on, having a Serial No was filed on, having an International Application No PCT/IB2009/055895	eccipt, I/we as a rest in the follo Eindhoven, the signee") my/our
, Assignor	, Assignor	ig right, title, and interest to the fullest ers, take all rightful oaths, testify in all and do all other such acts which may be egoing invention or for perfecting title	in any and all foreign countries to issues N.V., for its sole use, and that of its	cent applications associated provisionals, non- ions thereof, and the right to satents granted on these		below-named Assignor(s), hereby sell, wing to Koninklijke Philips Electronics Netherlands, its successors, assigns, and invention for which an application:

Date	Date	Date	Date	2011. 3.30	Date	Date		Date
(print name here)	(sign name here)	(sign name here)	(print name here)	(sign name here)	(sign name here)	(print name here)	(sign name here)	(sign name here) (print name here)
RUIJTER, Hendrikus albertus adrianus maria de	RONDA, Cornelis Reinder		ZHU, Xiaoyan	H ME H	CODNEY TOSEN III.	LIU, Bo		HOUTEN, Henk van
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d assign, and transfer the entire and exclusive right, title, and interest in the following to Koniver having a place of business at Groenewoodseweg 1, 5621 BA Findboven, the Natharlands	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 husiness at Groenewoodseweg 1, 5621 RA Findhoven, the Netherlands, its successors assigns, and

is executed concurrently herewith
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was filed on. 2009-DEC-22, having an International Application No
PCT/IB2009/055895

claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these provisionals divisions, continuations, continuations-in-part, reexaminations, reissues, and extensions thereof, and the right to therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, nonand all rights in and to said application, and all other United States, foreign and international patent applications associated applications

any and all Letters Patent when granted, solely to Koninklijke Philips Electronics N.V., for its sole use, and that of its I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issues successors, assigns, and legal representatives

thereto in the Assignce. necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title legal proceedings including patent prosecutional actions and infringement actions, and do all other such acts which may be extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all I/We will provide my/our cooperation to enable the Assignce to enjoy the foregoing right, title, and interest to the fullest

I/We certify that I/we have the full right to convey the above rights.

Date	Date
(sign name here)	(sign name here)
LIU, Yadong	WEI, Gongming
, Assignor	. Assignor

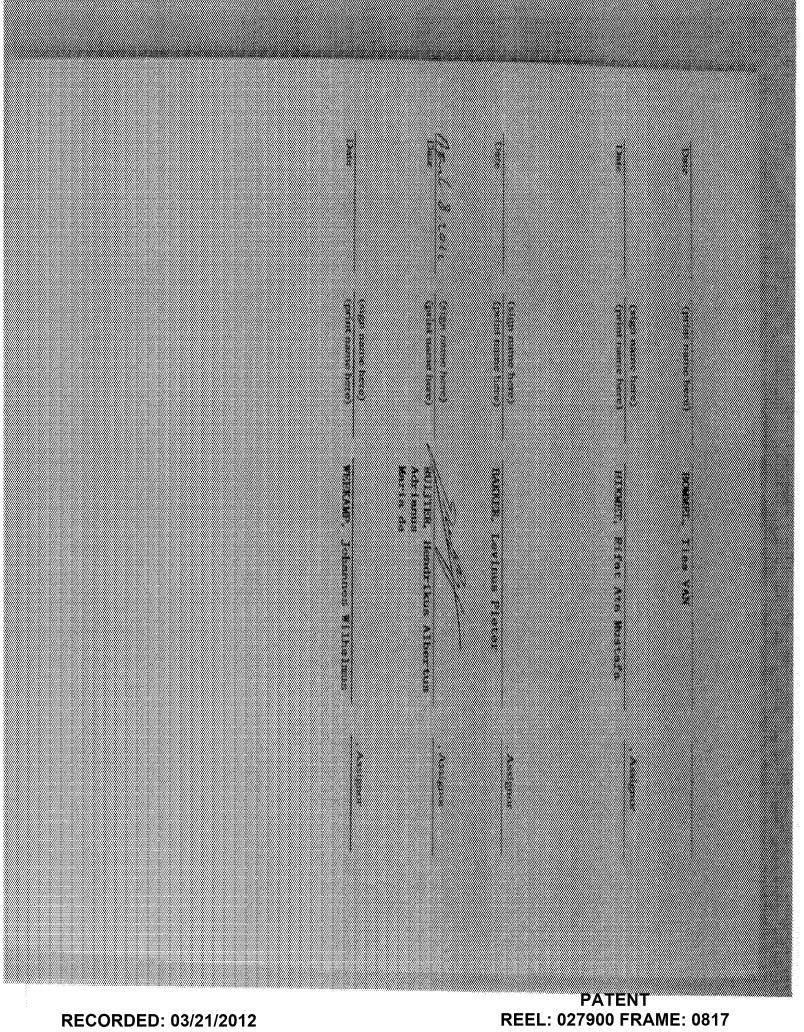
Date	Date	2011/04/04	Date	Date	Date	Date
(print name here)	(sign name here)	(sign name here)	(sign name here)	(sign name here)	(sign name here) (print name here)	(sign name here) (print name here)
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	Date	I/We certify that I	I/We will provide my/c extent. Upon request a legal proceedings inclu necessary, desirable, on the extent in the Assignee	I/We authorize ar any and all Letter successors, assign	and all rights in a therewith, based provisionals divisionals divisionals divisionals divisions.	is executed concurrent was executed by me/u was executed by me/u was filed on	For good and va and assign, and to N.V., having a p legal representat
(sign name here)	(sign name here)	I/We certify that I/we have the full right to convey the above rights.	emy/our cooperation to enable the uest at the expense of the Assign including patent prosecutional able, or convenient for securing an ignee.	I/We authorize and request that the Patent Office officials in the United States and any and all Letters Patent when granted, solely to Koninklijke Philips Electronics successors, assigns, and legal representatives.	and all rights in and to said application, and all other United States, foreign and i therewith, based thereon, or claiming priority therefrom including, but not limite provisionals divisions, continuations, continuations-in-part, reexaminations, reiss claim priority thereto, and the entire and exclusive right, title, and interest in and applications.	is executed concurrently herewith was executed by me/us on havit was filed on 2009-DEC-22havit PCT/1B2009/055895	luable consideration, of which be transfer the entire and exclusive lace of business at Groenewoudsives, including any nominees (co
	WEI, Gongming	y the above rights.	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 prosecutional 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.	officials in the United States and in any a Koninklijke Philips Electronics N.V., for		is executed concurrently herewith was executed by me/us on, having a Scrial Nohaving an International Application No	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:
Assignor	, Assignor		itle, and interest to the fullest all rightful oaths, testify in all all other such acts which may be evention or for perfecting title	and in any and all foreign countries to issues nics N.V., for its sole use, and that of its	nternational patent applications associated d to, any and all provisionals, non- ues, and extensions thereof, and the right to to any and all patents granted on these	0	-named Assignor(s), hereby sell, Koninklijke Philips Electronics lands, its successors, assigns, and ion for which an application:

Date

(print name here)

LIU, Yadong



RECORDED: 03/21/2012