502868885 06/26/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANCA IOANA DANIELA BUCUR	02/28/2013
THUSITHA DANANJAYA DE SILVA MABOTUWANA	01/08/2014
YUECHEN QIAN	12/20/2012
MERLIJN SEVENSTER	01/14/2013
RICHARD VDOVJAK	01/30/2014

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:	14368938

CORRESPONDENCE DATA

Fax Number:

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: babbette.freeman@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:	2011P01209WOUS
NAME OF SUBMITTER:	YAN GLICKBERG
SIGNATURE:	/Yan Glickberg/
DATE SIGNED:	06/26/2014

Total Attachments: 5

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502868885 PATENT REEL: 033186 FRAME: 0769

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> PATENT REEL: 033186 FRAME: 0770

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 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 was executed by me/us on was filed on having a Serial No. was filed on. 17 Dec 2012, having an International Application No. PCT/IB2012/057384, 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, nonprovisionals 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) Gabriel Ryan MANKOVICH , Assignor Richard YDOVJAK Date (print name here) Assignor 28.021.2013 Date (print name here) Anca Ioana Daniela BUCUR Assignor Date (print name here) Yuechen QIAN Assignor

Page 1 of 1

MABOTUWANA

Merlijn SEVENSTER

Thusitha Dananjaya De Silva

(print name here)

(print name here)

Date

Date

Assignor

, Assignor

and assign, and trans N.V., having a place	sfer the entire and exclusive re of business at High Tech Ca	we acknowledge receipt, I/we as a below-night, title, and interest in the following to Impus 5,5656 AE, Eindhoven, the Netherla Illectively "the Assignee") my/our invention	Koninklijke Philips Electronics unds, its successors, assigns, and
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any and all Letters P legal representatives I/We will provide m extent. Upon reques legal proceedings inc necessary, desirable, thereto in the Assign	y/our cooperation to enable to t at the expense of the Assign cluding patent prosecution ac or convenient for securing a	officials in the United States and in any ar the Assignee(s), for its sole use, and that of the Assignee to enjoy the foregoing right, to thee, I/we agree to execute all papers, take a tions and infringement actions, and do all and maintaining patents on the foregoing in the above rights.	of its successors, assigns, and itle, and interest to the fullest all rightful oaths, testify in all other such acts which may be
	(sign name here)	***************************************	so diametricani
Date	(print name here)	Gabriel Ryan MANKOVICH	, Assignor
Date	(print name here)	Richard VDOVJAK	, Assignor
Date	(print name here)	Anca Ioana Daniela BUCUR	, Assignor
Date	(print name here)	Yuechen QIAN	, Assignor
Date) 0 4	(print name here) Thusitha Mabohi	Merlija SEVENSTER	, Assignor
Date	(print name here)	Thusitha Dennijaya De Silva	, Assignor

Page 1 of 1

MABOTUWANA

PATENT REEL: 033186 FRAME: 0772

For good and valua	able consideration, of which I	we acknowledge receipt, I/we as a below	v-named Assignor(s), hereby sell,
and assign, and trai	nsfer the entire and exclusive	right, title, and interest in the following t	o Koninklijke Philips Electronics
N.V., having a place	ce of business at High Tech C	ampus S,5656 AE, Eindhoven, the Nethe	rlands, its successors, assigns, and
legal representative	es, including any nominees (co	ollectively "the Assignee") my/our inven	tion for which an application:
is executed con-	currently herewith		
	y me/us on		
		aving a Serial No	
was filed on. 17	Dec 2012, having an Interna	tional Application No. PCT/IB2012/057	384,
and all rights in and	d to said application, and all o	ther United States, foreign and internation	mal patent applications associated
		refrom including, but not limited to, any	
provisionals divisio	ons, continuations, continuatio	ns-in-part, re-examinations, reissues, an	d extensions thereof, and the right to
claim priority there applications.	to, and the entire and exclusiv	e right, title, and interest in and to any a	nd all patents granted on these
any and all Letters legal representative I/We will provide re extent. Upon reque legal proceedings in	Patent when granted, solely to es. my/our cooperation to enable to est at the expense of the Assign actuding patent prosecution ac	officials in the United States and in any the Assignee(s), for its sole use, and the the Assignee to enjoy the foregoing right nee, I/we agree to execute all papers, take tions and infringement actions, and do a	t of its successors, assigns, and title, and interest to the fullest all rightful oaths, testify in all all other such acts which may be
thereto in the Assig		and maintaining patents on the foregoing	invention or for perfecting title
I/We certify that I/s	we have the full right to conve (sign name here)	y the above rights.	
Date	(print name here)	Gabriel Ryan MANKOVICH	, Assignor
Date	(print name here)	Richard VDOVJAK	, Assignor
Date	(print nama haza) :	Ancy Ioana Daniela BUCUR	Aggiomen
De 20. 201.	(print name-here)	A. L.	, Assignor
Date Date	(print name here)	Yuechen QIAN	, Assignor
Date	(nrint name bere)	Merliin SEVENSTER	Accionn

Page 1 of 1

MABOTUWANA

(print name here)

Thusitha Dananjaya De Silva

Date

, Assignor

to

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 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
was executed by me/us on
was filed on, having a Serial No
was filed on. 17 Dec 2012, having an International Application No. PCT/IB2012/057384,
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 claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.
appreasons.

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)	Gabriel Ryan MANKOVICH	, Assignor
Date	(print name here)	Richard VDOVJAK	, Assignor
Date	(print name here)	Anca Ioana Daniela BUCUR	, Assignor
Date 1 – 14 – 2013	(print name here)	Yuckhen QIAN	, Assignor
Date	(print name here)	Meriija SEVENSTER	, Assignor
Date	(print name here)	Thusitha Dananjaya De Silva MABOTUWANA	, Assignor

Page 1 of 1

PATENT REEL: 033186 FRAME: 0774

Date

Date

Date

and assign, and transfer N.V., having a place of	the entire and exclusive ri business at High Tech Car	re acknowledge receipt, I/we as a below-reght, title, and interest in the following to inpus 5,5656 AE, Eindhoven, the Netherland (lectively "the Assignee") my/our invention	Koninklijke Philips Electronics ands, its successors, assigns, and
is executed concurre	ntly herewith		
was executed by me/	us on		
was filed on	, hav	ving a Serial No	***************************************
was filed on. 17 Dec	2012, having an Internati	onal Application No. PCT/IB2012/05738	34 ,
therewith, based thereor provisionals divisions, c	a, or claiming priority ther ontinuations, continuations,	ner United States, foreign and international efrom including, but not limited to, any a us-in-part, re-examinations, reissues, and exight, title, and interest in and to any and	nd all provisionals, non- extensions thereof, and the right to
-		officials in the United States and in any a the Assignec(s), for its sole use, and that	~
extent. Upon request at legal proceedings include	the expense of the Assign ling patent prosecution act	ne Assignee to enjoy the foregoing right, to ee, I/we agree to execute all papers, take sions and infringement actions, and do all and maintaining patents on the foregoing in	all rightful oaths, testify in all other such acts which may be
I/We certify that I/we ha	we the full right to convey	the above rights.	
30-01	(sign name here)		
Date	(print name here)	Gabriel Ryan MANKOVICI	, Assignor
30-01-2014	R. Volovjat		
Date	(print name/here)	Richard VDOVJAK	, Assignor
Date	(print name here)	Anca Ioana Daniela BUCUR	, Assignor

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MABOTUWANA

PATENT REEL: 033186 FRAME: 0775

, Assignor

, Assignor

, Assignor

Yuechen QIAN

Merlija SEVENSTER

Thusitha Dananjaya De Siiva

(print name here)

(print name here)

(print name here)

RECORDED: 06/26/2014