PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NICOLAAS JOHANNES ANTHONIUS VAN VEEN	12/03/2012
LEV GREGORIAN	11/28/2012
ANTONIUS WILHELMUS MARIA DE LAAT	12/03/2012
GERARDUS FRANCISCUS CORNELIS LIJTEN	11/28/2012
RAFAEL GOSHEN	11/28/2012

RECEIVING PARTY DATA

Name:	KONINKLIJKE PHILIPS ELECTRONICS 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:	14358058

CORRESPONDENCE DATA

Fax Number: (440)483-2452

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

US Mail.

Phone: 440-483-2373

Email: patricia.heim@philips.com **Correspondent Name:** DOUGLAS B. MCKNIGHT

Address Line 1: 595 MINER ROAD

Address Line 2: INTELLECTUAL PROPERTY & STANDARDS

Address Line 4: CLEVELAND, OHIO 44143

ATTORNEY DOCKET NUMBER:	2011P00852WOUS
NAME OF SUBMITTER:	DOUGLAS B. MCKNIGHT
SIGNATURE:	/Douglas B. McKnight/
DATE SIGNED:	05/14/2014

Total Attachments: 5

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PATENT REEL: 032884 FRAME: 0446 502807699

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> PATENT REEL: 032884 FRAME: 0447

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 Scrial No
X	was filed on, 23 Nov 2012, having an International Application No. PCT/IB2012/856665,

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 pange here)	Simho LEVENE	, Assignor
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Date	(print name here)	Nicolass Johannes Anthonius VAN	, Assignor
	The state of the s	VEEN	
Date	(print name here)	Lev GREGORIAN	, Assignor
Date	(print name here)	Antonius Wilhelmus Maria DE LAAT	, Assignor
Date	(print name here)	Gerardus Franciscus Cornelis LIJTEN	, Assignor
Date	(print name here)	Rafael GOSHEN	, Assignor

Page 1 of 1

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s),	
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, legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an app	
is executed concurrently herewith	

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.

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	(sign name here)		
Date	(print name here)	Simha LEVENE	, Assignor
Date	(print name here)	Nicolaus Johannes Anthonius VAN VEEN	, Assignor
28.11.2012	LEV GREGORIAN	L. Grago in	
Date	(print name here)	Lev GREGORIAN	, Assignor
Date	(print name here)	Antonius Wilhelmus Maris DE LAAT	, Assignor
Date	(print name here)	Gerardus Franciscus Cornelis LIJTEN	, Assignor
Date	(print name here)	Rajsel GOSHEN	, Assignor

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	is executed concurrently herewith
] was executed by me/us on
	was filed on, having a Serial No
X	was filed on, 23 Nov 2012, having an International Application No. PCT/IB2012/056665,

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.

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Date	(print name here)	Simbo LEVENE	, Assignor
Date	(print name here)	Niculass Johannes Anthonius VAN VEEN	, Assignor
Date	(print name here)	Lev GREGORIAN	, Assignor
<u>3 / z Zae / Z</u> Date	(print name here)	Antonius Wilhelmus Maria DE LAAT	, Assignor
Date	(print name here)	Gerardus Franciscus Cornelis LIJTEN	, Assignor
Date	(print name here)	Rafaei GOSHEN	, Assignor

Page 1 of 1

and assign, and transfi N.V., having a place of	er the entire and exclusive ri of business at High Tech Car	re acknowledge receipt, I/we as a below-name ght, title, and interest in the following to Kon npus 5,5656 AE, Eindhoven, the Netherlands lectively "the Assignee") my/our invention fo	inklijke Philips Electronics , its successors, assigns, and
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		officials in the United States and in any and a the Assignee(s), for its sole use, and that of it	
extent. Upon request legal proceedings incl	at the expense of the Assign uding patent prosecution ac or convenient for securing a	ne Assignee to enjoy the foregoing right, title, see, I/we agree to execute all papers, take all tions and infringement actions, and do all oth adminishing patents on the foregoing inver	ightful oaths, testify in all er such acts which may be
I/We certify that I/we	have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Simba LEVENE	, Assignor
Date	(print name here)	Nicolaus Johannes Anthonius VAN VEEN	Assignor
Date	(print name here)	Lev GREGORIAN	, Assignor
Date	(print name here)	Antonius Wilhelmus Maria DE LAAT	, Assignor
<u> 2012 - 11 - 27</u> Date	(print name here)	Gregedus Franciscus Cornelis	, Assignor
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Page 1 of 1

Rafael GOSHEN

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Date

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	c/us on		
		ving a Serial No	4394
		onal Application No. PCT/IB2012/056665,	
therewith, based there provisionals divisions,	on, or claiming priority ther continuations, continuation	ner United States, foreign and international parefrom including, but not limited to, any and also-in-part, re-examinations, reissues, and extend tright, title, and interest in and to any and all p	l provisionals, non- sions thereof, and the right to
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Date	(print name here)	Lev GREGORIAN	, Assignor
Date	(print name here)	Antonius Wilhelmus Maria DE LAAT	, Assignor

Page 1 of 1

Rafael GOSHEN

LIJTEN

Gerardus Franciscus Cornelis

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, Assignor

, Assignor

(print name here)

RMFAEL GOSHERU (print name here)

Date

<u>28 ∪o√</u> Date