504862460 04/11/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4909199

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HENDRIK JOHANNES BOUDEWIJN JAGT	12/04/2012
CHRISTIAN KLEIJNEN	12/03/2012

RECEIVING PARTY DATA

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City:	EINDHOVEN	
State/Country: NETHERLANDS		
Postal Code:	5621	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15586120

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NAME OF SUBMITTER:	RANJINE
SIGNATURE:	/Ranjine/
DATE SIGNED:	04/11/2018

Total Attachments: 3

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PATENT 504862460 REEL: 045499 FRAME: 0725

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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HENDRIK JOHANNES BOUDEWIJN JAGT	12/04/2012
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City:	EINDHOVEN	
State/Country:	NETHERLANDS	
Postal Code:	5621	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14002202

CORRESPONDENCE DATA

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Date:	08/29/2013

Total Attachments: 2

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PATENT REEL: 031109 FRAME: 0481 PATENT

REEL: 045499 FRAME: 0726

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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:

	is executed concurrently herewith
] was executed by me/us on
] was filed on , having a Serial No
X	was filed on. 2012-Mar-09, having an International Application No. PCT/IB2012/051112,

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 Assignce(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.

1 OPP

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

4-dec2012	(sign name here)	all the	Assignor
Date	(print name here)	Hendrik Johannes Boudewijn JAGT	
	(sign name here)		Assignor
Date	(print name here)	Christian KLEIJNEN	

Page 1 of 1

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:
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is executed concurre			
was executed by me	/us on	***************************************	
was filed on	, h	aving a Serial No	****
was filed on. 2012-!	Var-09, having an Intern	ational Application No. PCT/IB2012/051112,	
therewith, based thereo	n, or claiming priority the continuations, continuations	other United States, foreign and international paterefrom including, but not limited to, any and all ons-in-part, re-examinations, reissues, and extense right, title, and interest in and to any and all parts.	provisionals, non- sions thereof, and the right to
I/We authorize and req any and all Letters Pate legal representatives.	uest that the Patent Officent when granted, solely t	e officials in the United States and in any and al to the Assignee(s), for its sole use, and that of its	foreign countries to issue successors, assigns, and
extent. Upon request a	at the expense of the Assi ading patent prosecution of a convenient for securing	the Assignee to enjoy the foregoing right, title, ignee, I/we agree to execute all papers, take all reactions and infringement actions, and do all other and maintaining patents on the foregoing inventigations.	er such acts which may be
I/We certify that I/we	have the full right to con-	vey the above rights.	
Date	(sign name here) (print name here)	Hendrik Johannes Boudeyija JAGT	_Assignor
17_03_2C12 Date	(sign name here) (print name here)	Enristian KLELINEN	. Assignor

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PATENT REEL: 0**354**99 FRAME: 0**4**28