502313696 04/17/2013

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Abraham Rudolf Balkenende	03/02/2012
Marcus Antonius Verschuuren	04/06/2012
George Immink	03/20/2012

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:	13879824

CORRESPONDENCE DATA

Fax Number: 9143320615

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NAME OF SUBMITTER:	Michael A. Epstein
Signature:	/MICHAEL A. EPSTEIN/
Date:	04/17/2013

Total Attachments: 3 source=assign#page1.tif source=assign#page2.tif source=assign#page3.tif

PATENT REEL: 030230 FRAME: 0493 H \$40,00 138798

502313696

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

N.V., baving a place of	business at Groenewoud	e right, title, and interest in the following to Kordseweg 1, 5621 BA Eindhoven, the Netherlands collectively "the Assignee") my our invention f	s, its successors, assigns, and
was filed on	/us on, h	naving a Serial Noational Application No. PCT/IB2011/054680,	•••••
therewith, based thereo provisionals divisions,	n, or claiming priority the continuations, continuations.	other United States, foreign and international pareerfrom including, but not limited to, any and a ons-in-part, re-examinations, reissues, and exterve right, title, and interest in and to any and all	all provisionals, non- nsions thereof, and the right to
I/We authorize and requany and all Letters Pate legal representatives.	uest that the Patent Office nt when granted, solely t	e officials in the United States and in any and ale of the Assignee(s), for its sole use, and that of it	ll foreign countries to issue successors, assigns, and
extent. Upon request at legal proceedings include	the expense of the Assig	the Assignee to enjoy the foregoing right, title, mee, I/we agree to execute all papers, take all rictions and infringement actions, and do all other and maintaining patents on the foregoing inventions.	ightful oaths, testify in all er such acts which may be
I/We certify that I/we ha	ave the full right to conve	ey the above rights.	
Date	(sign name here) (print name here)	Abraham Rudolf BALKENENDE	.Assignor
Date	(sign name here) (print name here)	Marcus-Antonius VERSCHUUREN	, Assignor
Date	(sign name here) (print name here)	Gentle Maria	. Assignor

Page 1 of 1

For good and valuable	e consideration, of which	n I/we acknowledge receipt, I/we as a below-nam	ed Assignor(s) hereby sell
and assign, and transf	er the entire and exclusiv	ve right, title, and interest in the following to Kor	inkliike Philips Electronics
N.V., having a place	of business at Groenewoo	udseweg 1, 5621 BA Eindhoven, the Netherlands	its successors assigns and
legal representatives,	including any nominees	(collectively "the Assignee") my/our invention f	or which an application:
is executed concur	rrently herewith	y S	
was executed by n	ne/us on	*************************************	
		having a Serial No.	******
		mational Application No. PCT/IB2011/054680,	
and all rights in and to	o said application, and al	l other United States, foreign and international pa	stent applications associated
		therefrom including, but not limited to, any and a	
		tions-in-part, re-examinations, reissues, and exte	
		sive right, title, and interest in and to any and all	
applications.			
		ce officials in the United States and in any and a to the Assignee(s), for its sole use, and that of it	
I/We will provide my/	our cooperation to enabl	e the Assignee to enjoy the foregoing right, title,	and interest to the fullest
		signee, I/we agree to execute all papers, take all r	
		actions and infringement actions, and do all other	
		g and maintaining patents on the foregoing inven	
thereto in the Assigne			
I/We certify that I/we	have the full right to con	vey the above rights.	
anaurhabilikahankungaphookkokaaaaaaaaaaaaaaaaaaa	(sign name here)		. Assignor
Date	(print name here)	Abraham Rudolf BALKENENDE	
APRILZOIZ			
	(sign name here)	1 Destite !-	.Assignor
Date	(print name here)	Marcús Antonius VERSCHUUREN	
		340 - 4	
entrational de la company	(sign name here)		. Assignor
Date	(print name here)	George IMMINK	

Page 1 of 1

and assign, and train N.V., having a place	isfer the entire and exclusive of business at Groenewou	I/we acknowledge receipt, I/we as a below-nate right, title, and interest in the following to Kalaseweg 1, 5621 BA Eindhoven, the Netherlan (collectively "the Assignee") my/our invention	oninklijke Philips Electronics ds, its successors, assigns, and
was executed by was filed on		having a Serial No	
and all rights in and therewith, based the provisionals divisio	to said application, and all reon, or claiming priority t ns, continuations, continuat	other United States, foreign and international herefrom including, but not limited to, any and itons-in-part, re-examinations, reissues, and exitive right, title, and interest in and to any and a	patent applications associated all provisionals, non- tensions thereof, and the right to
I/We authorize and any and all Letters I legal representative	atent when granted, solely	ce officials in the United States and in any and to the Assignee(s), for its sole use, and that of	all foreign countries to issue its successors, assigns, and
extent. Upon requer legal proceedings in	of at the expense of the Assi cluding patent prosecution or convenient for securing	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 of and maintaining patents on the foregoing inve	rightful oaths, testify in all her such acts which may be
I/We certify that I/w	e have the full right to conv	ey the above rights.	
2-3 12 Date	- (sign name here) (print name here)	Abraham Rudolf BALKENENDE	. Assignor
Date	- (sign name here) (print name here)	Marcus Antonius VERSCHUUREN	.Assignor
GOTTO-MINISTRATION OF OPEN PROPERTY OF THE PRO	- (sign name here)		. Assignor

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George IMMINK

RECORDED: 04/17/2013

(print name here)

Date