PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RIEKO VERHAGEN	11/06/2008
ROBBERT ADRIANUS MARIA VAN HAL	11/03/2008
BART GOTTENBOS	11/28/2008
JOZEF JOHANNES MARIA JANSSEN	11/07/2008
PAUL ANTON JOSEF ACKERMANS	11/07/2008
FRANCISCO MORALES SERRANO	11/09/2008
SIEGLINDE NEERKEN	11/13/2008
DIRK BROKKEN	11/12/2008
GUIDO ROOSEN	10/22/2009

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:	12305438	

CORRESPONDENCE DATA

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PATENT

REEL: 023428 FRAME: 0172

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ATTORNEY DOCKET NUMBER:	005639US1	
NAME OF SUBMITTER:	PAUL IM	
Total Attachments: 4 source=005639_EXEC-ASSIGNMENT#page1.tif source=005639_EXEC-ASSIGNMENT#page2.tif source=005639_EXEC-ASSIGNMENT#page3.tif source=005639_EXEC-ASSIGNMENT#page4.tif		

PATENT REEL: 023428 FRAME: 0173

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 Findboven, 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. 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. b We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issues any and all Letters Patent when granted, solely to Koninklijke Philips Flectronies N.V., for it, 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, little, 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 Assignee. I/We certify that I/we have the full right to convey the above rights . Assignor Robbert Adrianus Maria VAN HAL (sign name here) . Assignor

Bart GOTTENBOS

(print name here)

Date

Philips Electronics	isign, and transfer the entire is N.V., having a place of busigns, and legal representative	I/we acknowledge receipt, I/we as a below and exclusive right, title, and interest in the tiness at Groenewoudseweg I, 5621 BA E as, including any nominees (collectively "t	e following to Koninklijke
is executed con	currently herewith		
	y me/us on		
was filed on	***************************************	having a Serial No.	
was filed on	,	having an International Application No	***************************************
provisionals, non-p extensions thereof,	n, based thereon, or claiming rovisionals divisions, contin	other United States, foreign and internation of priority therefrom including, but not limit uations, continuations-in-part, reexaminately thereto, and the entire and exclusive rigitions.	ited to, any and all
to issues any and al	request that the Patent Offic I Letters Patent when granted essors, assigns, and legal repr	e officials in the United States and in any d, solely to Koninklijke Philips Electronics resentatives.	and all foreign countries s N.V., for its sole use,
testify in all legal pr such acts which may	request at the expense of the coceedings including patent	the Assignee to enjoy the foregoing right, to Assignee, I/we agree to execute all paper prosecutional actions and infringement act convenient for securing and maintaining page.	rs, take all rightful oaths,
I/We certify that I/w	e have the full right to conve	ey the above rights.	
	(sign name here)		, Assignor
Date	(print name here)	Rieko VERHAGEN	
	(sign name here)		, Assignor
Date	(print name here)	Robbert Adrianus Maria VAN HAL	
28-11-03 Date	(sign name here) (print name here)	BATTENBOS	, Assignor

<u>21-11-200€</u> Date	(sign name here)		. Assignor
Date	(print name here)	Jozef Johannes Maria JANSSEN	
07-11-2008 Date	(sign name here) (print name here)	Paul Auton Hosef ACKERMANS	. Assignor
91,11/2008 Date	(sign name here) (print name here)	Francisco MORALES SERRANO	. Assignor
13-11-230} Date	(sign name here)	Sieglinde NEFRKEN	, Assignor
17/11/2008	(sign name here) (point name here)	Dirk BROKKEN	, Assignor
Date	(sign name here) (print name here)	Guido ROOSEN	. Assignor

	(sign name here)		. Assignor
Date	(print name here)	Jozef Johannes Maria JANSSEN	
	(sign name here)		. Assignor
Date	(print name here)	Paul Anton Josef ACKERMANS	manufacture and a promotion of the second of
	(sign name here)		. Assignar
Date	(print name here)	Francisco MORALES SERRANO	Vi AC TO THE STATE OF THE STATE
	(sign name here)		. Assignor
Date	(print name here)	Sieglinde NEERKEN	- u mais es es
	(sign name here)		. Assignor
Date	(print name here)	Dirk BROKKEN	
22 October 2009	(sign name here)	Thouses	, Assignor
Date	(print name here)	Juide ROOSEN	And the second s

RECORDED: 10/27/2009

PATENT REEL: 023428 FRAME: 0177