502083730 10/04/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DIMITRIOS PANANAKIS	10/04/2007
PAUL ROYSTON HARVEY	10/04/2007

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12438246

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NAME OF SUBMITTER:	Benjamin Y. Han

Total Attachments: 1

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PATENT REEL: 029074 FRAME: 0462 CH \$40.00 124

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

bereby sell, and assign, as	ad transfer the entire and	l exclusive right, title, and interest in the follow	ving to Koninklijke
Philips Electronics N.V.,	having a place of busine	iss at Groenewoodseweg 1, 5621 BA Eindhove	m, the Netherlands,
its successors, assigns, an	d legal representatives, i	including any nominees (collectively "the Assi	gnce") my/our
invention for which an ap	plication		
is executed concurrent	tly herewith		
was executed by me/u	1.7	nami in	
		ving a Serial No	r 5500
The energy of		mational Application No. PCT/IB2007/05329	
and all rights in and to sai	id application, and all of	her United States, foreign and international pal	cot applications
		orierity therefrom including, but not limited to.	
		tions, continuations-is-part, reexaminations, r	
5 To 1 To		thereto, and the entire and exclusive right, title	
to any and all patents gran			
1/We authorize and reque	st that the Patent Office	officials in the United States and in any and al	l foreign countries
		solely to Koninklijke Philips Electronics N.V.	
and that of its successors,			
fulfest extent. Upon requirestify in all legal proceed	est at the expense of the lings including patent pr ecessary, desirable, or o	he Assignee to enjoy the foregoing right, title, Assignce, I/we agree to execute all papers, talessecutional actions and infringement actions, convenient for securing and maintaining potentignee.	te all rightful ouths, and do all other
I/We certify that I/we have	e the full right to convey	y the above rights	
17 m. j. 100m1	Clan name home	- C	Assignor
4-04-2004 Date	(print name here)	Dimitrios PANANAKIS	
(Sec. 6)	Corner remove marge		
. * .		P. A. Varray	
1/10/2003	(sign name bere)	¥ 16.890mm	Assignor
Date	(print name here)	Paul Royston HARVEY	

RECORDED: 10/04/2012

PATENT REEL: 029074 FRAME: 0463