PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5008441

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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CYNTHIA MING-FU KUNG	03/28/2017
SHYAM BHARAT	05/09/2017

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State/Country:	NETHERLANDS
Postal Code:	5656 AE

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15513608

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ATTORNEY DOCKET NUMBER:	2014P00702WOUS
NAME OF SUBMITTER:	RANK J. KEEGAN
SIGNATURE:	/Frank J. Keegan/
DATE SIGNED:	06/15/2018

Total Attachments: 3

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PATENT REEL: 046096 FRAME: 0506 504961694

Date

and assign, and tran a place of business a	sfer the entire and exclusive r at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-right, title, and interest in the following to lake, Eindhoven, the Netherlands, its succeively "the Assignee") my/our invention for	Koninklijke Philips N.V., having ssors, assigns, and legal
was filed on	me/us on, ha	ving a Serial Noional Application No. PCT/IB2015/05739	
and all rights in and therewith, based the provisionals division	to said application, and all of reon, or claiming priority the ns, continuations, continuation	ther United States, foreign and international refrom including, but not limited to, any assim-part, re-examinations, reissues, and earight, title, and interest in and to any and	al patent applications associated and all provisionals, non-extensions thereof, and the right to
	Patent when granted, solely to	officials in the United States and in any arthe Assignee(s), for its sole use, and that	*
extent. Upon requestlegal proceedings in	st at the expense of the Assign cluding patent prosecution ac , or convenient for securing a	he Assignee to enjoy the foregoing right, t nee, I/we agree to execute all papers, take a tions and infringement actions, and do all and maintaining patents on the foregoing in	all rightful oaths, testify in all other such acts which may be
I/We certify that I/w	e have the full right to conve	y the above rights.	
2017-03-28	(sign name here)	Joeln Vinden	
Date	(print name here)	Jochen KRUECKER	, Assignor
Date	(print name here)	Ehsan DEHGHAN MARVAST	, Assignor
Date	(print name here)	Shyam BHARAT	, Assignor

(print name here)

Cynthia Ming-fu KUNG

, Assignor

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

•	•		owing to Koninklijke Philips N.V., having
-		· ·	, its successors, assigns, and legal
representatives, includin	g any nominees (collective	ly "the Assignee") my/our inv	ention for which an application:
is executed concurren	•		
-	us on		
		ng a Serial No	
was filed on. 25 Sep	2015, having an Internation	nal Application No. PCT/IB20	15/057390,
and all rights in and to s	aid application, and all othe	r United States, foreign and in	ternational patent applications associated
·-		-	to, any and all provisionals, non-
			ues, and extensions thereof, and the right to
-			to any and all patents granted on these
applications.			5 711, 1116 til pottille grantet on 111601
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I/We authorize and requ	est that the Patent Office of	ficials in the United States and	l in any and all foreign countries to issue
		<u>t</u>	and that of its successors, assigns, and
legal representatives.		F. C.	
I/We will provide my/ou	ir cooperation to enable the	Assignee to enjoy the foregoi	ng right, title, and interest to the fullest
•	-		pers, take all rightful oaths, testify in all
	_		and do all other such acts which may be
		_	regoing invention or for perfecting title
thereto in the Assignee.	~		
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I/We certify that I/we ha	we the full right to convey	he above rights.	
		c taken	
	(sign name here)	E di sua di pagnina di	
Date	(print name here)	Jochen KRUECKER	, Assignor
		* 1440	
Date	(print name here)	Ehsan DEHGHAN MARVA	ST , Assignor
Date	(print name here)	Shyam BHARAT	, Assignor
0.27-1	Canthia Kana	A second	
Date	(print name here)	Cynthia Ming-fu KUNG	, Assignor

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ASSIGNMENT

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n we will brovide		the Assignee to enjoy the foregoing right, t nee, I/we agree to execute all papers, take:	
legal representative			
		the Assignee(s), for its sole use, and that	of its successors, assigns, and
I/We authorize and	I request that the Patent Office	officials in the United States and in any ar	nd all foreign countries to issue
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		aving a Serial No.	183403403493
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a place of business representatives, inc	at High Tech Campus 5,5656	right, title, and interest in the following to in AE, Eindhoven, the Netherlands, its succeively "the Assignee") my our invention for	• • •

Page 1 of 1

PATENT REEL: 046096 FRAME: 0509