505035131 08/03/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN E. CRONIN	06/20/2018
STEVEN M. PHILBIN	08/01/2018
ERIC R. WADE	07/12/2018

RECEIVING PARTY DATA

Name:	KONINKLIJKE PHILIPS N.V.
Street Address:	HIGH TECH CAMPUS 5
City:	EINDHOVEN
State/Country:	NETHERLANDS
Postal Code:	5656 AE

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15555813

CORRESPONDENCE DATA

Fax Number: (914)495-9540

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 914-495-9516

Email: jaclyn.busta@philips.com

PHILIPS INTELLECTUAL PROPERTY & STANDARD **Correspondent Name:**

Address Line 1: **465 COLUMBUS AVENUE**

Address Line 2: SUITE 340

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2015P00550WOUS
NAME OF SUBMITTER:	THOMAS M. LUNDIN
SIGNATURE:	/Thomas M. Lundin/
DATE SIGNED:	08/03/2018

Total Attachments: 3

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PATENT REEL: 046549 FRAME: 0253 505035131

Date

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 t	the entire and exclusive rig	ght, title, and interest in the followin	g to Koninklijke Philips N.V., having
a place of business at Hig	gh Tech Campus 5,5656 A	AE, Eindhoven, the Netherlands, its	successors, assigns, and legal
representatives, including	g any nominees (collective	ely "the Assignee") my/our inventio	n for which an application:
is executed concurren	ntly herewith		
was executed by me/u	us on	•••••	
was filed on.	, hav	ing a Serial No	
was filed on. 09 Mar	2016, having an Internati	onal Application No. PCT/EP2016	/054950,
and all rights in and to sa	aid application, and all oth	er United States, foreign and interna	ational patent applications associated
therewith, based thereon,	, or claiming priority there	efrom including, but not limited to, a	any and all provisionals, non-
provisionals divisions, co	ontinuations, continuation	s-in-part, re-examinations, reissues,	and extensions thereof, and the right to
claim priority thereto, an	d the entire and exclusive	right, title, and interest in and to any	y and all patents granted on these
applications.			
I/We authorize and reque	est that the Patent Office o	officials in the United States and in a	my and all foreign countries to issue
any and all Letters Patent	t when granted, solely to t	he Assignee(s), for its sole use, and	that of its successors, assigns, and
legal representatives.			
		,	
I/We will provide my/our	r cooperation to enable the	e Assignee to enjoy the foregoing rig	ght, title, and interest to the fullest
extent. Upon request at t	the expense of the Assigno	ee, I/we agree to execute all papers,	take all rightful oaths, testify in all
legal proceedings includi	ing patent prosecution acti	ions and infringement actions, and d	o all other such acts which may be
necessary, desirable, or c	convenient for securing an	d maintaining patents on the foregoi	ing invention or for perfecting title
thereto in the Assignee.			
I/We certify that I/we have	ve the full right to convey	the above rights.	
	John E. Cronin	_	
6-20-18	(sign name here)	Charles -	
·		Ochn E CRONIN	Aggiorna
Date	(print name here)	WOURH E. CROMIN	, Assignor
•			
Date	(print name here)	Steven M. PHILBIN	, Assignor
	(bruit manit note)		, i rosipiloi

Page 1 of 1

Eric R. WADE

(print name here)

, Assignor

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

and assign, and trans	fer the entire and exclusive r	ight, title, and interest in the follow	ving to Koninklijke Philips N.V., having
a place of business a	t High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, i	ts successors, assigns, and legal
representatives, inch	ading any nominees (collectiv	vely "the Assignee") my/our inven	tion for which an application:
is executed concu			
	me/us on		·
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\boxtimes was filed on. 09 \square	Mar 2016, having an Interna	tional Application No. PCT/EP20	16/054950,
and all rights in and	to said application, and all ot	her United States, foreign and inte	rnational patent applications associated
_		refrom including, but not limited to	
			es, and extensions thereof, and the right to
_			any and all patents granted on these
applications.			
· · · · · · · · · · · · · · · · · · ·	_		n any and all foreign countries to issue
•		the Assignee(s), for its sole use, a	nd that of its successors, assigns, and
legal representatives			
I/We will provide m	v/our cooperation to enable t	he Assignee to enjoy the foregoing	right, title, and interest to the fullest
			rs, take all rightful oaths, testify in all
			d do all other such acts which may be
			going invention or for perfecting title
thereto in the Assign		Ψ *	
		•	
I/We certify that I/w	e have the full right to conve	y the above rights.	
	(alam mama hama)		
Date	(sign name here) (print name here)	John E. CRONIN	, Assignor
Date .	(print name note)		, 1100181171
8/1/18		JUICO	
Date	(print name here)	Steven M. PHILBIN	, Assignor

Page 1 of 1

Eric R. WADE

(print name here)

Date

, Assignor

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

and assign, and tr	ansfer the entire and exclusive	right, title, and interest in the following	ng to Koninklijke Philips N.V., having
a place of busines	s at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its	successors, assigns, and legal
representatives, ir	cluding any nominees (collect	ively "the Assignee") my/our invention	on for which an application:
	ncurrently herewith		
	by me/us on		
		aving a Serial No	
was filed on. 0	9 Mar 2016, having an Interna	ational Application No. PCT/EP2016	/054950,
and all rights in ar	nd to said application, and all o	ther United States, foreign and intern	ational patent applications associated
		erefrom including, but not limited to,	
		_	and extensions thereof, and the right to
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applications.			
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		officials in the United States and in a	
		the Assignee(s), for its sole use, and	that of its successors, assigns, and
legal representativ	es.		
I/We will provide	my/our cooperation to enable t	he Assignee to enjoy the foregoing ri	ght, title, and interest to the fullest
		nee, I/we agree to execute all papers,	
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		and maintaining patents on the forego	•
thereto in the Assi		6 F	
I/We certify that I/	we have the full right to conve	y the above rights.	
	(sign name here)		/
Date	(print name here)	John E. CRONIN	, Assignor
	,		, U
D .		C. M. DYWY DIV	
Date	(print name here)	Steven M. PHILBIN	, Assignor
7.12.18	Eac Wast		
Date	(print name here)	Eric R. WADE	, Assignor

Page 1 of 1

RECORDED: 08/03/2018