## 505865983 01/15/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5912819

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
SONY EUROPE LIMITED	01/25/2019

### **RECEIVING PARTY DATA**

Name:	SONY CORPORATION
Street Address:	1-7-1 KONAN, MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	108-0075

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16735831

### **CORRESPONDENCE DATA**

**Fax Number:** (703)413-2220

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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

**Phone:** (703) 413-3000

**Email:** corpassignments@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

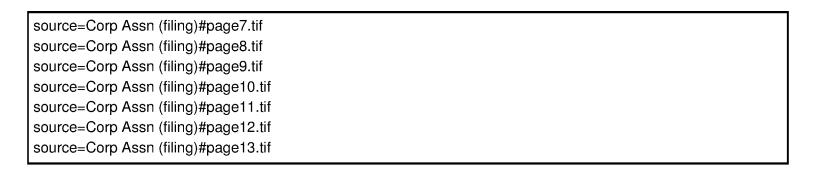
ATTORNEY DOCKET NUMBER:	526635US
NAME OF SUBMITTER:	ELLEN MURABITO
SIGNATURE:	/ELLEN MURABITO/
DATE SIGNED:	01/15/2020

### **Total Attachments: 13**

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> PATENT REEL: 051525 FRAME: 0023

505865983



Docket No. 526635US

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Daniel Luke HOOPER et al.

SERIAL NUMBER: 16/735,831 ATTN: ASSIGNMENT BRANCH

FILING DATE: January 7, 2020

FOR: A METHOD, DEVICE AND COMPUTER PROGRAM

### **IDENTIFICATION OF PATENTS AND PATENT APPLICATIONS UNDER 37 CFR 3.21**

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

### Commissioner:

The Assignment enclosed herewith contains the Title of the Invention, Inventor names and the German priority application 1900873.9, and is believed, in combination with the application serial number and filing date contained in this cover letter, to adequately identify the above-identified application in accordance with 37 CFR 3.21, as set forth in MPEP Section 302.03.

In light of the foregoing, this Assignment is deemed to be in proper condition for examination and such favorable action is earnestly solicited.

Respectfully Submitted,

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

/James Love/

Customer Number

22850

Tel. (703) 413-3000 Fax. (703) 413-2220 (OMMN 07/09) Johnny Ma Registration No. 59,976

James Love

Registration No.: 58,421

## FULL INVENTOR ASSIGNMENT AND FULL DIRECT OR INDIRECT ASSIGNMENT FROM SONY EUROPE LIMITED TO SONY CORPORATION

WHEREAS, I, as a named inventor listed on the attached APPENDIX (hereinafter referred to as "APPENDIX"), have invented certain new and useful improvements in the invention(s) listed on the same, for which an application for Letters Patent was executed on the priority date included thereon;

AND WHEREAS, SONY EUROPE LIMITED, a corporation organized and existing under the laws of the United Kingdom, with offices at The Heights, Brooklands, Weybridge, Surrey, KT13 0XW, United Kingdom (hereinafter referenced as "ASSIGNEE SEU"), in accordance with my employment agreement and/or with a preexisting agreement or mutual understanding between myself and ASSIGNEE SEU, is desirous of acquiring my entire right, title and interest in, to and under said invention(s), said application(s) disclosing the invention(s) and in, to and under any Letters Patent or similar legal protection which may be granted therefor in any and all countries worldwide (including in the territory of the United States of America);

AND WHEREAS, SONY CORPORATION, a corporation organized and existing under the laws of Japan, with offices at 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan (hereinafter referenced as "ASSIGNEE SONY") is desirous of acquiring, directly or indirectly, the entire right, title and interest in, to and under said invention(s), said application(s) disclosing the invention(s) and in, to and under any Letters Patent or similar legal protection which may be granted therefor in any and all countries worldwide (including in the territory of the United States of America but excluding in the territory of Albania where ASSIGNEE SEU shall remain a co-owner with ASSIGNEE SONY) held by ASSIGNEE SEU as the sole owner to the rights by this assignment;

NOW THEREFORE, after good and valuable consideration or in consideration of the recognized value of any past and/or potential collaborative projects in the future, the receipt and sufficiency of which are hereby acknowledged, I, as an inventor as indicated above, by these presents do hereby assign, sell and transfer unto said ASSIGNEE SEU, the entire right, title and interest in and to the said invention(s), said application(s), including any divisions, continuations, substitutions and renewals thereof, and in and to any and all Letters Patent which may be granted for said invention(s), in any country (including the territory of the United States of America), and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents or other industrial property protection throughout the world (including in the territory of the United States of America) in respect of the inventions which are the subjects of the applications for Letters Patent described herein, and this conveyance of interest includes the right for the ASSIGNEE SEU, or its successors, assigns, and/or legal representatives, to bring, make, oppose, defend, appeal proceedings, claims or actions and obtain relief (and to retain any damages

recovered) in respect of any infringement, or any other cause of action arising from ownership, of any of the Patents or any patents granted on any of the applications for patents or filed as aforesaid, whether occurring before, on or after the date of this agreement.

I, as an inventor, further declare that I either have the obligation to assign or have already assigned the full and exclusive rights in and to any inventions made during my employment to said ASSIGNEE SEU based on my employment contract with said ASSIGNEE SEU, and/or that said ASSIGNEE SEU has obtained full and exclusive rights in and to any such inventions based on applicable national law or in accordance with a preexisting agreement or mutual understanding between myself and ASSIGNEE SEU, and that by this Assignment such transfer of right, title and interest in such inventions to said ASSIGNEE SEU is herewith confirmed or restated.

CONCURRENTLY HEREWITH, after good and valuable consideration or in consideration of the recognized value of any past and/or potential collaborative projects in the future, the receipt and sufficiency of which are hereby acknowledged, ASSIGNEE SEU has already assigned by other means to said ASSIGNEE SONY, or by these presents do hereby presently assign, sell and transfer, directly or indirectly, unto said ASSIGNEE SONY, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention(s), said application(s), including any divisions, continuations, substitutions and renewals thereof, and in and to any and all Letters Patent which may be granted for said invention(s), in any country (including the territory of the United States of America but excluding the territory of Albania where ASSIGNEE SEU shall remain a co-owner with ASSIGNEE SONY), and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements, and to any other benefits accruing or to accrue to ASSIGNEE SEU with respect to the filing of applications for patents or securing of patents or other industrial property protection throughout the world (including in the territory of the United States of America but excluding in the territory of Albania where ASSIGNEE SEU shall remain a co-owner with ASSIGNEE SONY) in respect of the inventions which are subjects of the applications for Letters Patent described herein, and this conveyance of interest includes the right for the ASSIGNEE SONY, or its successors, assigns, and/or legal representatives, to bring, make, oppose, defend, appeal proceedings, claims or actions and obtain relief (and to retain any damages recovered) in respect of any infringement, or any other cause of action arising from ownership, of any of the Patents or any patents granted on any of the applications for patents or filed as aforesaid, whether occurring before, on or after the date of this agreement.

The undersigned inventor and ASSIGNEE SEU hereby authorize and request the Commissioner of Patents of the United States and its territorial possessions, and other appropriate officials whose duty it is to issue patents in any country in the world, to issue any and all patents resulting from the aforesaid patent applications or any divisions, continuations, substitutions and renewals thereof, when granted, to ASSIGNEE SONY, as the assignce of the full right, title and interest in and to the same (or in the case of Albania to ASSIGNEE SEU and ASSIGNEE SONY as co-assignees);

The undersigned inventor and ASSIGNEE SEU further agree to execute all necessary or

desirable and lawful future documents, including assignments in favor of ASSIGNEE SONY, or its designee or successors, without further remuneration, in order to perfect title in said invention(s), modifications, and improvements in said invention(s), applications and Letters Patent in any country in the world (including in the territory of the United States of America);

The undersigned inventor and ASSIGNEE SEU further agree to properly execute and deliver and without further remuneration or consideration, such necessary or desirable and lawful papers for application(s) for foreign patents, for filing subdivisions of said application(s) for patent, and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for the aforesaid invention(s), as ASSIGNEE SONY shall hereafter require and prepare at their own expense;

The undersigned inventor and ASSIGNEE SEU further agree that ASSIGNEE SONY will, upon request, be provided promptly with all pertinent facts and documents relating to said application(s), said invention(s) and said Letters Patent and legal equivalents in foreign countries as may be known and accessible and will testify as to the same in any interference or litigation related thereto;

The undersigned inventor and ASSIGNEE SEU hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

And the undersigned inventor and ASSIGNEE SEU hereby authorize and request the attorney(s) of record in this application to insert on the APPENDIX any further identification, including the filing date and application number of the country in which an application for Letters Patent has been or will be subsequently filed, which may be necessary or desirable in order to comply with the rules of the patent office of that country for recordation of this document.

This Assignment Agreement shall be governed by and construed under the laws of the State of New York, United States of America, without regard to conflict of laws principles, all rights and remedies being governed by said laws.

3

This assignment executed on the dates indicated below.

Daniel Luke Hooper	23th January 2019
Name of inventor	Execution date of this signment [DD/MONTH/YYYY]
Nhw	
Signature of inventor	
	SONY EUROPE LIMITED
D. 15 No. 2019	B. W.
Date: 25 3 cts 2019 [DD/MONTH/YYYY]	By: Name: Wicomas Mose
[DD/MONIH/1111]	Title: 10 SENIOR MANNEER
	As duly authorized officer
	•
	SONY CORPORATION
	,
ad Im faces	<u> </u>
Date: 31/January/2019	By:
[DD/MONTH/YYYY]	Name: Masayoshi Doshida
	Title: General Menager  As duly authorized officer
	Planning & Control Department, Intellectual Property Division

# Assignment Inventor to SEU and direct or indirect assignment to Sony Corp.

# APPENDIX

0	Inventors	B	EP Filing	Sony	ر ن ن	r S	
		Application	Date	Reference	Application	#131818.	
						Date	
A METHOD, DEVICE AND	HOOPER, Daniel Luke	1900873.9	22.61.2619	2000 2000 2000 2000 2000 2000			
COMPUTER PROGRAM	PORTER, Robert Mark				98:		
	Stefan					•	
				***************************************			
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WHEREAS, I, as a named inventor listed on the attached APPENDIX (hereinafter referred to as "APPENDIX"), have invented certain new and useful improvements in the invention(s) listed on the same, for which an application for Letters Patent was executed on the priority date included thereon;

AND WHEREAS, SONY EUROPE LIMITED, a corporation organized and existing under the laws of the United Kingdom, with offices at The Heights, Brooklands, Weybridge, Surrey, KT13 0XW, United Kingdom (hereinafter referenced as "ASSIGNEE SEU"), in accordance with my employment agreement and/or with a preexisting agreement or mutual understanding between myself and ASSIGNEE SEU, is desirous of acquiring my entire right, title and interest in, to and under said invention(s), said application(s) disclosing the invention(s) and in, to and under any Letters Patent or similar legal protection which may be granted therefor in any and all countries worldwide (including in the territory of the United States of America);

AND WHEREAS, SONY CORPORATION, a corporation organized and existing under the laws of Japan, with offices at 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan (hereinafter referenced as "ASSIGNEE SONY") is desirous of acquiring, directly or indirectly, the entire right, title and interest in, to and under said invention(s), said application(s) disclosing the invention(s) and in, to and under any Letters Patent or similar legal protection which may be granted therefor in any and all countries worldwide (including in the territory of the United States of America but excluding in the territory of Albania where ASSIGNEE SEU shall remain a co-owner with ASSIGNEE SONY) held by ASSIGNEE SEU as the sole owner to the rights by this assignment;

NOW THEREFORE, after good and valuable consideration or in consideration of the recognized value of any past and/or potential collaborative projects in the future, the receipt and sufficiency of which are hereby acknowledged, I, as an inventor as indicated above, by these presents do hereby assign, sell and transfer unto said ASSIGNEE SEU, the entire right, title and interest in and to the said invention(s), said application(s), including any divisions, continuations, substitutions and renewals thereof, and in and to any and all Letters Patent which may be granted for said invention(s), in any country (including the territory of the United States of America), and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents or other industrial property protection throughout the world (including in the territory of the United States of America) in respect of the inventions which are the subjects of the applications for Letters Patent described herein, and this conveyance of interest includes the right for the ASSIGNEE SEU, or its successors, assigns, and/or legal representatives, to bring, make, oppose, defend, appeal proceedings, claims or actions and obtain relief (and to retain any damages

recovered) in respect of any infringement, or any other cause of action arising from ownership, of any of the Patents or any patents granted on any of the applications for patents or filed as aforesaid, whether occurring before, on or after the date of this agreement.

I, as an inventor, further declare that I either have the obligation to assign or have already assigned the full and exclusive rights in and to any inventions made during my employment to said ASSIGNEE SEU based on my employment contract with said ASSIGNEE SEU, and/or that said ASSIGNEE SEU has obtained full and exclusive rights in and to any such inventions based on applicable national law or in accordance with a preexisting agreement or mutual understanding between myself and ASSIGNEE SEU, and that by this Assignment such transfer of right, title and interest in such inventions to said ASSIGNEE SEU is herewith confirmed or restated.

CONCURRENTLY HEREWITH, after good and valuable consideration or in consideration of the recognized value of any past and/or potential collaborative projects in the future, the receipt and sufficiency of which are hereby acknowledged, ASSIGNEE SEU has already assigned by other means to said ASSIGNEE SONY, or by these presents do hereby presently assign, sell and transfer, directly or indirectly, unto said ASSIGNEE SONY, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention(s), said application(s), including any divisions, continuations, substitutions and renewals thereof, and in and to any and all Letters Patent which may be granted for said invention(s), in any country (including the territory of the United States of America but excluding the territory of Albania where ASSIGNEE SEU shall remain a co-owner with ASSIGNEE SONY), and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements, and to any other benefits accruing or to accrue to ASSIGNEE SEU with respect to the filing of applications for patents or securing of patents or other industrial property protection throughout the world (including in the territory of the United States of America but excluding in the territory of Albania where ASSIGNEE SEU shall remain a co-owner with ASSIGNEE SONY) in respect of the inventions which are subjects of the applications for Letters Patent described herein, and this conveyance of interest includes the right for the ASSIGNEE SONY, or its successors, assigns, and/or legal representatives, to bring, make, oppose, defend, appeal proceedings, claims or actions and obtain relief (and to retain any damages recovered) in respect of any infringement, or any other cause of action arising from ownership, of any of the Patents or any patents granted on any of the applications for patents or filed as aforesaid, whether occurring before, on or after the date of this agreement.

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The undersigned inventor and ASSIGNEE SEU further agree to properly execute and deliver and without further remuneration or consideration, such necessary or desirable and lawful papers for application(s) for foreign patents, for filing subdivisions of said application(s) for patent, and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for the aforesaid invention(s), as ASSIGNEE SONY shall hereafter require and prepare at their own expense;

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This Assignment Agreement shall be governed by and construed under the laws of the State of New York, United States of America, without regard to conflict of laws principles, all rights and remedies being governed by said laws.

3

Assignment Inventor to SEU and direct or indirect assignment to Sony Corp.

This assignment executed on the dates indicated below.

Robert Mark Stefan Porter	23rd January 2019
Name of inventor	Execution date of this assignment [DD/MONTH/YYYY]
Ear Pri-	
Signature of inventor	
	SONY EUROPE LIMITED
03 Am. 3	MAL-
Date: <u>25 \                                  </u>	Ву:
[DD/MONTH/YYYY]	Name: NICOLAS ROSE
	Title: , & SENIOR MANAGER
	As duly authorized officer
•	
	SONY CORPORATION
	A. N
	MH
Date: 31/January/2019	Ву:
[DD/MONTH/YYYY]	Name: Massayoshi Doshida
	Title: General Manager
	As duly authorized officer Planning & Control Department, Intellectual Property Div
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# Assignment Inventor to SEU and direct or indirect assignment to Sony Corp.

# APPENDIX

	Inventors	Application	E Filling	Sony Reference	U.S. Application	U.S. Filing
A METHOD, DEVICE AND COMPUTER PROCRAM PO	HOOPER, Daniel Luke PORTER, Robert Mark		1900873.9 22.01.2019	200 200 200 200 200 200 200 200 200 200		Pate
Stefan	Stefan					

PATENT REEL: 051525 FRAME: 0037

RECORDED: 01/15/2020