# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SCOTT WARDLE	03/18/2020
ROBERT PULLMAN	03/18/2020

#### **RECEIVING PARTY DATA**

Name:	SONY INTERACTIVE ENTERTAINMENT INC.	
Street Address:	1-7-1 KONAN, MINATO-KU	
City:	TOKYO	
State/Country:	JAPAN	

### **PROPERTY NUMBERS Total: 3**

Property Type	Number
Application Number:	62697269
Application Number:	16509257
PCT Number:	US2019041441

#### **CORRESPONDENCE DATA**

**Fax Number:** (510)668-0239

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

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Address Line 4: FREMONT, CALIFORNIA 94539

ATTORNEY DOCKET NUMBER:	SCEA17066US01	
NAME OF SUBMITTER:	JOSHUA D. ISENBERG	
SIGNATURE:	/Joshua D. Isenberg, Reg. No. 41088/	
DATE SIGNED:	03/25/2020	

**Total Attachments: 2** 

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PATENT 505984935 REEL: 052227 FRAME: 0901

Attorney Docket No: SCEA17066US00

# **ASSIGNMENT**

THIS ASSIGNMENT, by **SCOTT WARDLE**, residing at **FOSTER CITY, CALIFORNIA** and **ROBERT PULLMAN**, residing at **SAN JOSE, CALIFORNIA** (hereinafter referred to as the Assignors), respectively witnesseth:

WHEREAS, said Assignors have invented certain new and useful improvements in

### "METHOD FOR ACOUSTICALLY RENDERING THE SIZE OF SOUND A SOURCE"

and (c) prompt assistance and cooperati Letters Patent granted thereon, includin actions.  4. The terms, covenants and conditions legal representatives, and shall be bindi 5. Said Assignors hereby request the Di States to said Assignee as the assignee of	ng upon said Assignors, the control of The United State of said inventions.	mure to the benefit of said Assignee, its successors, assigns and/or other heir heirs, legal representatives and assigns. Es Patent and Trademark Office to issue said Letters Patent of the United delivered this instrument on the date noted below.
and (c) prompt assistance and cooperati Letters Patent granted thereon, includin actions.  4. The terms, covenants and conditions legal representatives, and shall be bindi 5. Said Assignors hereby request the Di States to said Assignee as the assignee of	ng upon said Assignors, the control of The United State of said inventions.	heir heirs, legal representatives and assigns. es Patent and Trademark Office to issue said Letters Patent of the United
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and (c) prompt assistance and cooperati Letters Patent granted thereon, includin actions.  4. The terms, covenants and conditions legal representatives, and shall be bindi	ng upon said Assignors, tl	heir heirs, legal representatives and assigns.
<ul><li>and (c) prompt assistance and cooperati</li><li>Letters Patent granted thereon, includin actions.</li><li>4. The terms, covenants and conditions</li></ul>		
		Il legal proceedings involving said inventions, said application, or n proceedings, priority contests, public use proceedings and court
which are deemed necessary or desirable application, any application which is a desirable application.	le by Assignee for filing o division, continuation, or con, or for any interference	r prosecuting in the United States or any foreign country said continuation-in-part of said application, any reissue application for any proceeding involving said application or Letters Patent granted thereon;
extent said right, title and interest herein in lending such assistance and cooperat (prepared at the expense of Assignee) w	n conveyed, provided, how ion be paid by Assignee. which are deemed necessar	vever, that the entire expense which may be incurred by said Assignors Such cooperation shall include: (a) prompt execution of all papers ry or desirable by Assignee to perfect said right, title and interest herein ons, declarations and other papers (prepared at the expense of Assignee)
that the same have not entered into any 3. Said Assignors hereby covenant and	•	ate with said Assignee, whereby said Assignee may enjoy to the fullest
Assignors are the lawful owners of the	entire right, title and intere	est in and to said inventions and said application for Letters Patent, and
this sale and assignment not been made		y as the same would have been held and enjoyed by the Assignors, had ent that, at the time of execution and delivery of these presents, said
entire right, title and interest in, to and a for said inventions in the United States application; any reissue or extension of Industrial Property; said right, title and	under said inventions; said of America and any foreig said Letters Patent; and al interest to be held and enj	d application for Letters Patent; any Letters Patent which may be granted an country; any division, continuation, or continuation-in-part of said all rights under the International Convention for the Protection of oyed by said Assignee for its own use and behoove to the full end of the
		ne receipt of which is hereby acknowledged:  and do hereby sell, assign, transfer and set over unto said Assignee, the
obtained therefor and thereon, and t	to any and all improven	in and to any Letters Patent, United States or foreign, to be nents which are disclosed in said application for Letters Patent.
1-7-1 Konan, Minato-ku, Tokyo 1	108-0075 <b>JAPAN,</b> is de	orate powers under the laws of <b>JAPAN</b> and having its offices at sirous of obtaining the entire right, title and interest in and to
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Sony Interactiv	e Entertainment Inc.
WHEREAS,		••
	_, International Patent A	S. Patent Application No, filed Application No, filed lication numbers of said applications when known.
patent having the above title. Said a	ssignors hereby authori	ates non-provisional and International applications for letters

Assignment Page 1 of 1 Attorney Docket No.: SCEA17066US01

PATENT REEL: 052227 FRAME: 0902

Attorney Docket No: SCEA17066US00

# **ASSIGNMENT**

THIS ASSIGNMENT, by **SCOTT WARDLE**, residing at **FOSTER CITY, CALIFORNIA** and **ROBERT PULLMAN**, residing at **SAN JOSE, CALIFORNIA** (hereinafter referred to as the Assignors), respectively witnesseth:

WHEREAS, said Assignors have invented certain new and useful improvements in

#### "METHOD FOR ACOUSTICALLY RENDERING THE SIZE OF SOUND A SOURCE"

METHODIONICOCOTICAL	ET RENDERING THE SIZE OF SOC	on D M SOUNCE
which are described United States provisional a United States application for letters patent Num Number PCT/US2019/041441, file July 11, 20 letters patent having the above title. Said assign Corporate Way, Fremont, California, to insert I filed,, Inter,) the filing da	per <u>16/509,257</u> filed <u>July 11, 2019</u> , Internationa <u>9</u> and in United States non-provisional and Interpretations hereby authorize and request attorney, Joshusere in parentheses (U.S. Patent Application No.	al Patent Application ernational applications for na D. Isenberg, of 809
WHEREAS,		
	Interactive Entertainment Inc.	
(hereinafter referred to as the Assignee a body lands 1-7-1 Konan, Minato-ku, Tokyo 108-0075 JA said inventions and said application for Letters obtained therefor and thereon, and to any and a	PAN, is desirous of obtaining the entire right, to Patent, and in and to any Letters Patent, United I improvements which are disclosed in said app	tle and interest in and to States or foreign, to be lication for Letters Patent.
NOW, THEREFORE, for good and valuable consi	leration, the receipt of which is hereby acknowledg	ed:
1. The Assignors have sold, assigned, transferred and entire right, title and interest in, to and under said in granted for said inventions in the United States of Ar of said application; any reissue or extension of said I of Industrial Property; said right, title and interest to of the term for which Letters Patent may be granted, Assignors, had this sale and assignment not been ma	rentions; said application for Letters Patent; any Letter nerica and any foreign country; any division, continua- tetters Patent; and all rights under the International Cope held and enjoyed by said Assignee for its own use as fully and entirely as the same would have been held	ers Patent which may be ation, or continuation-in-part convention for the Protection and behoove to the full end
2. Said Assignors hereby jointly and severally warrar Assignors are the lawful owners of the entire right, t and that the same have not entered into any assignment.	tle and interest in and to said inventions and said app	
3. Said Assignors hereby covenant and agree to assis extent said right, title and interest herein conveyed, passignors in lending such assistance and cooperation papers (prepared at the expense of Assignee) which interest herein conveyed, (b) prompt execution of all expense of Assignee) which are deemed necessary or country said application, any application which is a capplication for any Letters Patent granted on said application, or Letters Patent granted thereon, in proceedings and court actions.	rovided, however, that the entire expense which may be paid by Assignee. Such cooperation shall include re deemed necessary or desirable by Assignee to per petitions, oaths, specifications, declarations and othe desirable by Assignee for filing or prosecuting in the ivision, continuation, or continuation-in-part of said a lication, or for any interference proceeding involving cooperation in the prosecution of all legal proceeding	be incurred by said e: (a) prompt execution of all fect said right, title and repapers (prepared at the e United States or any foreign application, any reissue as said application or Letters ags involving said inventions,
4. The terms, covenants and conditions of this Assign other legal representatives, and shall be binding upon	said Assignors, their heirs, legal representatives and	d assigns.
5. Said Assignors hereby request the Director of The United States to said Assignee as the assignee of said		said Letters Patent of the
IN WITNESS WHEREOF said Assignors have ex	cuted and delivered this instrument on the date not	ed below.
	/Robert A. Pullman/	3/18/2020
SCOTT WARDLE Da	e ROBERT PULLMAN	Date

Assignment Page 1 of 1 Attorney Docket No.: SCEA17066US01

PATENT

REEL: 052227 FRAME: 0903