

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5230885

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARTIN SHENTON	10/12/2018
MARTIN ECHENIQUE	10/11/2018
CLAIRE BLACKSHAW	10/11/2018
ELISHEVA SHAPIRO	11/01/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SONY INTERACTIVE ENTERTAINMENT EUROPE LIMITED
<b>Street Address:</b>	10 GREAT MARLBOROUGH STREET
<b>City:</b>	LONDON
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	W1F 7LP
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16082417
<b>CORRESPONDENCE DATA</b>	
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<i>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.</i>	
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<b>Email:</b>	assignment@lerner david.com
<b>Correspondent Name:</b>	LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP
<b>Address Line 1:</b>	600 SOUTH AVENUE WEST
<b>Address Line 4:</b>	WESTFIELD, NEW JERSEY 07090
<b>ATTORNEY DOCKET NUMBER:</b>	DYOUNG 3.3F-160
<b>NAME OF SUBMITTER:</b>	MELINDA C. CORMIER
<b>SIGNATURE:</b>	/Melinda C. Cormier/
<b>DATE SIGNED:</b>	11/09/2018
<b>Total Attachments: 4</b>	
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ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

DYOUNG 3.3F-160

WHEREAS, I, Martin Shenton of c/o Sony Interactive Entertainment Europe Limited, 10 Great Marlborough Street, LONDON, W1F 7LP, UNITED KINGDOM, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "Virtual Reality" (hereafter "Patent Application"),

WHEREAS (if the left box is checked), the International Patent Application was filed on March 10, 2017, as PCT/2017/050650, designating the United States.

WHEREAS (if the left box is checked), the Patent Application names the following inventors: Martin Shenton; Martin Echenique; Claire Blackshaw; Eliseva Shapiro (and whereas I hereby authorize Lerner, David, Litzenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 16/062,417, filed on September 5, 2018] the application number and filing date of the application when known), and

WHEREAS, Sony Interactive Entertainment Europe Limited, incorporated or otherwise formed in United Kingdom and having a place of business at 10 Great Marlborough Street, LONDON, W1F 7LP, UNITED KINGDOM (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

12/10/18

(Date)



(Signature)

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

DYOUNG 3.3F-160

WHEREAS, I, Martin Echenique of c/o Sony Interactive Entertainment Europe Limited; 10 Great Marlborough Street; LONDON; W1F 7LP; UNITED KINGDOM, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "Virtual Reality" (hereafter "Patent Application"),

WHEREAS (if the left box is checked), the International Patent Application was filed on March 10, 2017, as PCT/2017/050650, designating the United States.

WHEREAS (if the left box is checked), the Patent Application names the following inventors: Martin Shenton; Martin Echenique; Claire Blackshaw; Elisheva Shapiro

(and whereas I hereby authorize Lerner, David, Litfenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 16/082,417, filed on September 5, 2018] the application number and filing date of the application when known), and

WHEREAS, Sony Interactive Entertainment Europe Limited, incorporated or otherwise formed in United Kingdom and having a place of business at 10 Great Marlborough Street; LONDON; W1F 7LP; UNITED KINGDOM (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

11th October 2018

(Date)

/Martin Echenique/

(Signature)

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

DYOUNG 3.3F-160

WHEREAS, I, Claire Blackshaw of c/o Sony Interactive Entertainment Europe Limited, 10 Great Marlborough Street, LONDON, W1F 7LP, UNITED KINGDOM, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "Virtual Reality" (hereafter "Patent Application"),

WHEREAS (if the left box is checked), the International Patent Application was filed on March 10, 2017, as PCT/2017/050650, designating the United States.

WHEREAS (if the left box is checked), the Patent Application names the following inventors: Martin Shenton, Martin Echenique, Claire Blackshaw, Elishava Shapiro

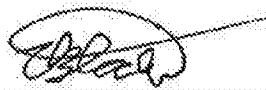
(and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 16/082,417, filed on September 5, 2018] the application number and filing date of the application when known), and

WHEREAS, Sony Interactive Entertainment Europe Limited, incorporated or otherwise formed in United Kingdom and having a place of business at 10 Great Marlborough Street, LONDON, W1F 7LP, UNITED KINGDOM (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

11/10/2018

(Date)



(Signature)

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) DYOUNG 3.3F-160
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WHEREAS, I, Elisheva Shapiro of c/o Sony Interactive Entertainment Europe Limited, 10 Great Marlborough Street, LONDON, W1F 7LP, UNITED KINGDOM, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "Virtual Reality" (hereafter "Patent Application"),

WHEREAS (if the left box is checked), the International Patent Application was filed on March 10, 2017, as PCT/2017/050650, designating the United States.

WHEREAS (if the left box is checked), the Patent Application names the following inventors: Martin Shenton; Martin Echenique; Claire Blackshaw; Elisheva Shapiro

(and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 16/082,417, filed on September 5, 2018] the application number and filing date of the application when known), and

WHEREAS, Sony Interactive Entertainment Europe Limited, incorporated or otherwise formed in United Kingdom and having a place of business at 10 Great Marlborough Street, LONDON, W1F 7LP, UNITED KINGDOM (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

1st November 2018

(Date)

/Elisheva Shapiro/

(Signature)