503767150 04/04/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHARWIN WINESH RAGHOEBARDAJAL	02/08/2016
IAN HENRY BICKERSTAFF	03/30/2016
BRUNO RIBEIRO	02/05/2016

RECEIVING PARTY DATA

Name:	SONY COMPUTER ENTERTAINMENT EUROPE LIMITED	
Street Address:	10 GREAT MARLBOROUGH STREET	
City:	LONDON	
State/Country:	UNITED KINGDOM	
Postal Code:	W1F 7LP	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15007531

CORRESPONDENCE DATA

Fax Number: (908)654-7866

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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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ATTORNEY DOCKET NUMBER:	DYOUNG 3.0F-141
NAME OF SUBMITTER:	MELINDA C. CORMIER
SIGNATURE:	/Melinda C. Cormier/
DATE SIGNED:	04/04/2016

Total Attachments: 3

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PATENT REEL: 038183 FRAME: 0567 503767150

ASSIGNMENT OF PATENT APPLICATION

Docket Number (Optional)

DYOUNG 3.0F-141

WHEREAS, I, Sharwin Winesh Raghoebardajal of c/o Sony Computer 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 "DISPLAY" (hereafter "Patent Application"), WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on January 27, 2015, Application Number 15/007,531, and WHEREAS (if the left box is checked), the Patent Application names the following inventors: (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets (Application I the application number and filing date of the application when No. , filed on known), and WHEREAS, Sony Computer 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. 8/2/2016 /Sharwin Winesh Raghmebandejel/ (Date) (Signature)

4383804

ASSIGNMENT OF PATENT APPLICATION

Docket Number (Optional)

DYOUNG 3.0F-141 WHEREAS, I, Ian Henry Bickerstaff of c/o Sony Computer Entertainment Europe Limited: 10 Great Mariborough 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 "DISPLAY" (hereafter "Patent Application"), WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on January 27, 2015, Application Number 15/007,531, and WHEREAS (if the left box is checked), the Patent Application names the following inventors: (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets (Application _] the application number and filing date of the application when No. , filed on known), and WHEREAS, Sony Computer 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. 30/3/2016 Ren Henry Bickerstoff (Date) (Signature)

Docket Number (Optional)

ASSIGNMENT OF PATENT APPLICATION DYOUNG 3.0F-141 WHEREAS, I, Bruno Ribeiro of c/o Sony Computer 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 "DISPLAY" (hereafter "Patent Application"), WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on January 27, 2015, Application Number 15/007,531, and WHEREAS (if the left box is checked), the Patent Application names the following inventors: (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets (Application __] the application number and filing date of the application when No. , filed on known), and WHEREAS, Sony Computer 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. 5/2/2016 /Brung Miguel Rodrigues Riberral (Date) (Signature)

> PATENT REEL: 038183 FRAME: 0570