505150154 10/19/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT5196921

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARIKO HINO	03/16/2013
SATOSHI HASHIMOTO	03/01/2013
KEN KUTARAGI	03/07/2013

RECEIVING PARTY DATA

Name:	SONY COMPUTER ENTERTAINEMENT INC.
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:	16165189

CORRESPONDENCE DATA

Fax Number: (732)634-6887

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: 732-634-7634

Email: ZCustodio@gdiplaw.com MATTHEW B. DERNIER **Correspondent Name:** Address Line 1: **GIBSON & DERNIER LLP**

Address Line 2: 89 HEADQUARTERS PLAZA NORTH, PMB 1469

Address Line 4: MORRISTOWN, NEW JERSEY 07960

ATTORNEY DOCKET NUMBER:	545-131X8
NAME OF SUBMITTER:	MATTHEW B. DERNIER
SIGNATURE:	/Matthew B. Dernier/
DATE SIGNED:	10/19/2018

Total Attachments: 6

source=545-131x8_Declaration-Assignment_as-filed#page1.tif source=545-131x8_Declaration-Assignment_as-filed#page2.tif source=545-131x8 Declaration-Assignment as-filed#page3.tif

PATENT REEL: 047235 FRAME: 0091 505150154

source=545-131x8_Declaration-Assignment_as-filed#page4.tif source=545-131x8_Declaration-Assignment_as-filed#page5.tif source=545-131x8_Declaration-Assignment_as-filed#page6.tif

> PATENT REEL: 047235 FRAME: 0092

Attorney Docket No.: 545-	Attorney	Docket	No.:	545-	
---------------------------	----------	--------	------	------	--

DECLARATION AND ASSIGNMENT

DECLARATION:

As to each below-named inventor, I hereby declare that: (i) I believe I am the original sole inventor, or an original joint inventor, of the claimed invention in the below-identified patent application through which a patent is sought; and (ii) the patent application was made, or authorized to be made, by me:

Title:	CENTER DEVICE	***************************************
<u>X</u>	The specification of which is attached he	ereto.
	The specification of which was filed on	
	as Application Serial No.	
	and was amended on	

As to each below-named inventor, I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

As to each below-named inventor, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 and/or other applicable rules.

As to each below-named inventor, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Direct correspondence to: Matthew B. Dernier, Esq. at the address associated with Customer Number 27538.

ASSIGNMENT:

As to each below-named inventor - Assignor, I hereby acknowledge that I am an Assignor, who has received Ten Dollars (\$10.00) and/or other good and valuable consideration for this assignment. Assignor assigns to Assignee all of Assignor's right, title and interest in the above-identified patent application, the invention(s) described and claimed in the above-identified patent application, and all patents that may issue based on the invention(s) and on the above-identified patent application, including any patent that issues from a divisional and/or continuing application claiming benefit of the above-identified patent application, in the United States and in every foreign country, including the right to enforce any rights for infringement that accrued prior to the effective date of this assignment. Assignor also assigns to Assignee all priority rights in the above-identified patent application. In those countries where permitted, the Assignor authorizes the Assignee to apply for patents for the invention directly in Assignee's name. Assignor authorizes the Commissioner of Patents and Trademarks or other governmental authority to issue all patents for the invention directly to Assignee. Assignor states that Assignor has the right to grant to Assignee the rights which are assigned by this assignment. Assignor will sign any additional documents as may be needed to carry out the purpose of this assignment. This assignment is binding on all parties who lawfully succeed to the rights of or take the place of Assignor or Assignee.

Assignee: SONY COMPUTER ENTERTAINMENT INC., 1-7-1, Konan, Minato-ku, Tokyo, Japan,

The undersigned hereby grant(s) to the firm of Gibson & Dernier LLP, Suite 504, 900 Route 9 North, Woodbridge, New Jersey 07095, the power to insert on this assignment any further identification of the above-identified patent application which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office concerning recordation of this document.

Culturation of FIGET MARKET MR/CNTOD - ACCIONOD-	Marito Line
Full name of FIRST NAMED INVENTOR - ASSIGNOR:	Wariko Hirio /
Inventor – Assignor Signature:	makes I show
Date:	March 16.2013
Residence:	Tokya Japan
Citizenship:	Japan
Post Office Address:	c/o Sony Computer Entertainment Inc.
	1-7-1, Konan, Minato-ku, Tokyo 108-0075 Japan
Full name of SECOND NAMED INVENTOR - ASSIGNO	R: Satoshi Hashimoto
Inventor – Assignor Signature:	
Date:	
Residence:	,Japan
Citizenship:	Japan
Post Office Address:	c/o Sony Computer Entertainment Inc
	1-7-1, Konan, Minato-ku, Tokyo 108-0075 Japan
Full name of THIRD NAMED INVENTOR - ASSIGNOR:	Ken Kutaragi
Inventor – Assignor Signature:	
Date:	
Residence:	Japan
Citizenship:	Japan
Post Office Address:	c/o Sony Computer Entertainment Inc.,

1-7-1, Konan, Minato-ku, Tokyo 108-0075 Japan

Attorney Docket No.: 545-___

Attorney Docket No.: 54:	5-
--------------------------	----

DECLARATION AND ASSIGNMENT

DECLARATION:

As to each below-named inventor, I hereby declare that: (i) I believe I am the original sole inventor, or an original joint inventor, of the claimed invention in the below-identified patent application through which a patent is sought; and (ii) the patent application was made, or authorized to be made, by me:

Title:	CENTER DEVICE	
X	The specification of which is attached he	ereto.
	The specification of which was filed on	*************************************
	as Application Serial No.	CHANNEL AND ARTHUR ATTACHMENT AND ARTHUR AND ARTHUR AND ARTHUR AND ARTHUR ATTACHMENT AND ARTHUR AND ARTHUR ARTHUR AND ARTHUR ART
	and was amended on	

As to each below-named inventor, I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

As to each below-named inventor, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 and/or other applicable rules.

As to each below-named inventor, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Direct correspondence to: Matthew B. Dernier, Esq. at the address associated with Customer Number 27538.

ASSIGNMENT:

As to each below-named inventor - Assignor, I hereby acknowledge that I am an Assignor, who has received Ten Dollars (\$10.00) and/or other good and valuable consideration for this assignment. Assignor assigns to Assignee all of Assignor's right, title and interest in the above-identified patent application, the invention(s) described and claimed in the above-identified patent application, and all patents that may issue based on the invention(s) and on the above-identified patent application, including any patent that issues from a divisional and/or continuing application claiming benefit of the above-identified patent application, in the United States and in every foreign country, including the right to enforce any rights for infringement that accrued prior to the effective date of this assignment. Assignor also assigns to Assignee all priority rights in the above-identified patent application. In those countries where permitted, the Assignor authorizes the Assignee to apply for patents for the invention directly in Assignee's name. Assignor authorizes the Commissioner of Patents and Trademarks or other governmental authority to issue all patents for the invention directly to Assignee. Assignor states that Assignor has the right to grant to Assignee the rights which are assigned by this assignment. Assignor will sign any additional documents as may be needed to carry out the purpose of this assignment. This assignment is binding on all parties who lawfully succeed to the rights of or take the place of Assignor or Assignee.

Assignee: SONY COMPUTER ENTERTAINMENT INC., 1-7-1, Konan, Minato-ku, Tokyo, Japan.

The undersigned hereby grant(s) to the firm of Gibson & Dernier LLP, Suite 504, 900 Route 9 North, Woodbridge, New Jersey 07095, the power to insert on this assignment any further identification of the above-identified patent application which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office concerning recordation of this document.

Full name of FIRST NAMED INVENTOR - ASSIGNOR: Mariko Hino Inventor - Assignor Signature: Date: Residence: <u>Japan</u> Citizenship: Japan Post Office Address: c/o Sony Computer Entertainment Inc., 1-7-1, Konan, Minato-ku, Tokyo 108-0075 Japan Full name of SECOND NAMED INVENTOR - ASSIGNOR: Satoshi Hashimoto Inventor - Assignor Signature: Date: Residence: Citizenship: Japan Post Office Address: c/o Sony Computer Entertainment Inc., 1-7-1, Konan, Minato-ku, Tokyo 108-0075 Japan Full name of THIRD NAMED INVENTOR - ASSIGNOR: Ken Kutaragi Inventor - Assignor Signature: Date: Residence: Citizenship: Japan

Post Office Address:

c/o Sony Computer Entertainment Inc., 1-7-1, Konan, Minato-ku, Tokyo 108-0075 Japan

Attorney Docket No.: 545-___

Attorney	Docket No.:	545-

DECLARATION AND ASSIGNMENT

DECLARATION:

As to each below-named inventor, I hereby declare that: (i) I believe I am the original sole inventor, or an original joint inventor, of the claimed invention in the below-identified patent application through which a patent is sought; and (ii) the patent application was made, or authorized to be made, by me:

Title:	CENTER DEVICE	
<u>X</u>	The specification of which is attached he	ereto.
	The specification of which was filed on	
	as Application Serial No.	ARRAMARAMARAMARAMANIANIANIANIANIANIANIANIA
	and was amended on	

As to each below-named inventor, I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

As to each below-named inventor, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 and/or other applicable rules.

As to each below-named inventor, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Direct correspondence to: Matthew B. Dernier, Esq. at the address associated with Customer Number 27538

ASSIGNMENT:

As to each below-named inventor - Assignor, I hereby acknowledge that I am an Assignor, who has received Ten Dollars (\$10.00) and/or other good and valuable consideration for this assignment. Assignor assigns to Assignee all of Assignor's right, title and interest in the above-identified patent application, the invention(s) described and claimed in the above-identified patent application, and all patents that may issue based on the invention(s) and on the above-identified patent application, including any patent that issues from a divisional and/or continuing application claiming benefit of the above-identified patent application, in the United States and in every foreign country, including the right to enforce any rights for infringement that accrued prior to the effective date of this assignment. Assignor also assigns to Assignee all priority rights in the above-identified patent application. In those countries where permitted, the Assignor authorizes the Assignee to apply for patents for the invention directly in Assignee's name. Assignor authorizes the Commissioner of Patents and Trademarks or other governmental authority to issue all patents for the invention directly to Assignee. Assignor states that Assignor has the right to grant to Assignee the rights which are assigned by this assignment. Assignor will sign any additional documents as may be needed to carry out the purpose of this assignment. This assignment is binding on all parties who lawfully succeed to the rights of or take the place of Assignor or Assignee.

Assignee: SONY COMPUTER ENTERTAINMENT INC., 1-7-1, Konan, Minato-ku, Tokyo, Japan.

The undersigned hereby grant(s) to the firm of Gibson & Dernier LLP, Suite 504, 900 Route 9 North, Woodbridge, New Jersey 07095, the power to insert on this assignment any further identification of the above-identified patent application which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office concerning recordation of this document.

	Attorney Docket No.: 545
Full name of FIRST NAMED INVENTOR - ASSIGNOR:	Mariko Hino
Inventor – Assignor Signature:	
Date:	
Residence:	,Japan
Citizenship:	Japan
Post Office Address:	c/o Sony Computer Entertainment Inc.,
	1-7-1, Konan, Minato-ku, Tokyo 108-0075 Japan
Full name of SECOND NAMED INVENTOR - ASSIGNO	R: Satoshi Hashimoto
Inventor – Assignor Signature:	
Date:	
Residence:	,Japan
Citizenship:	Japan
Post Office Address:	c/o Sony Computer Entertainment Inc.
	1-7-1, Konan, Minato-ku, Tokyo 108-0075 Japan
Full name of THIRD NAMED INVENTOR - ASSIGNOR:	Ken Kutaragi
	5 3 - + 1 1 - t
Inventor - Assignor Signature:	/5g WA /X
Date:	Mar 7 2013
Residence:	To Eyo Japan
Citizenship:	Japan
Post Office Address:	c/o Sony Computer Entertainment Inc.,
	1-7-1, Konan, Minato-ku, Tokyo 108-0075 Japan