### 01/03/2018 504712136

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4758858

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
KOSUKE YOSHITOMI	02/02/2015
DAISUKE NAKATA	02/02/2015
TAKEO TSUKAMOTO	02/02/2015
KATSUYA HYODO	02/02/2015
JUNICHIROU SAKATA	06/01/2015
SHOICHIRO MORIYA	02/02/2015

## **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:	15861154

## **CORRESPONDENCE DATA**

Fax Number: (703)935-8473

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: 571-313-7556 Email: mail@paratus.law

PARATUS LAW GROUP, PLLC **Correspondent Name:** 

1765 GREENSBORO STATION PLACE Address Line 1:

Address Line 2: **SUITE 320** 

Address Line 4: TYSONS CORNER, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	1946-0144B
NAME OF SUBMITTER:	LENNY R. JIANG
SIGNATURE:	/Lenny R. Jiang/
DATE SIGNED:	01/03/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

REEL: 044993 FRAME: 0007 504712136

## PAIENI

# Total Attachments: 6 source=2018-01-03\_1946-0144B\_DecAndAssign#page1.tif source=2018-01-03\_1946-0144B\_DecAndAssign#page2.tif source=2018-01-03\_1946-0144B\_DecAndAssign#page3.tif source=2018-01-03\_1946-0144B\_DecAndAssign#page4.tif source=2018-01-03\_1946-0144B\_DecAndAssign#page5.tif source=2018-01-03\_1946-0144B\_DecAndAssign#page6.tif

Attorney Bocket No.: 1946-0144A Sony Ref. No.: SP247163US01

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	MENU DISPLAY APPARATUS, MENU DISPLAY METHOD AND PROGRAM	
As the below	named inventor, I hereby declare that:	
This declarate is directed to:	Off. The attractual application, or	
	United States application or PCT international application number 14/525,873  filed on October 28, 2014	
The above id	miffed application was made or authorized to be made by mg.	
NOT THE RESERVE	I am the original inventor or an original joint inventor of a claimed invention in the application.  SONY CORPORATION , with offices at	
1-7-1 (()	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (horeimafter referred to its ASSIGNEE), is desirous of	
lia gairappas	interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar or which may be granted therefor in the United States and in any and all foreign countries:	
NOW THEREPORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged. I by these presents do beneby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right title and interest in said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, 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 to which the United States of America adherors, and to any other benefits accruing or to accrue to me with respect to the filling of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;		
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto:		
And I further agree to properly execute and deliver and without further remaineration, such necessary or desirable and lewful papers for application for foreign patents, for filling subdivisions of said application for patent, and or, for obtaining any relessue or reissues of any Letters Patent which may be granted for my aforesaid invention, as said ASSIGNEE thereof shall be easily require and prepare at its own expense;		
And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in fineign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto:		
And I hereby coverant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAME OF INVENTOR		
inventor	Kosuke YOSHITOMI Date: Fabruary 2: 20/5	
Signature:	Kerke Yeshitemi	

Attorney Docket No.: 1946-0144A Sony Bel, No.: SP247163USB

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	MENU DISPLAY APPARATUS, MENU DISPLAY METHOD AND PROGRAM	
As the below	named inventor, Thereby declare that:	
This declarati	V Vin already ad annitration of	
	United States application of PCT international application number 14/525,873  filed on October 28, 2014	
The above id	entified application was made or mathorized to be made by me.	
	I am the original inventor or an original joint inventor of a claimed invention in the application. SONY CORPORATION with offices at	
1-7-1 KC	SONY CORPORATION with reflices at NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNED), is desirous of lettered to as ASSIGNED, is desirous of lettered to as ASSIGNED.	
acreaments un	interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or staillar on which may be granted therefor in the United States and in any and all foreign countries;	
NOW THEREFORE, in examinderation of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in said invention, said application, behaving any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, 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 to which the United States of America adheres, and to any other benefits accraining or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters Fatent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;		
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSECVEE or its designee, as ASSIGNEE or its accessors, assigns and legal representatives may from time-to-time present to me and without further remaneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto:		
And I further agree to properly execute and deliver and without further remonention, such necessary or desirable and lawful papers for application for fivelgn patents, for filing subdivisions of said application for patent, and or, for obssiming any release or releases of any Lestons. Parent which may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;		
And I further agree that ASSIGMEE will, upon its tequest, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as in the same in any interference or litigation related thereto;		
And I hereby expenses that no assignment, sale, agreement or ensumbrance has been or will be made or entered into which would conflict with this assignment and sale.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1901 by fine or imprissument of the more than five (5) years, or both.		
LEGAL NAME OF INVENTOR		
Yavestar:	Dalisuke NAKATA Date: Feb. 2 . 20/5	
Signature:	Daisske Nakara	

Astorney Bocket No.: 1946-0144A Sony Ref. No.: SP247163U801

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	MENU DISPLAY APPARATUS, MENU DISPLAY METHOD AND PROGRAM	
As the below	named inventor, I hereby declare that:	
This declarati	3 { 22	
	United States application or PCT international application number 14/525,873  filed on October 28, 2014	
The above-id-	multied application was made or matherized to be made by me.	
co re represent a re	f am the original inventor or as original joint inventor of a claimed invention in the application.  SONY CORPORATION with offices at	
1-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar togal protection which may be granted therefor in the United States and in any and all foreign countries;		
NOW THEREPORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are bettely acknowledged, I by these presents do hereby assign, self and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and committees foreign thereto, which may be granted for said invention, 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 to which the United States of America adheres, and to any other benefits accruing or to accrue to me with estapect to the filling of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;		
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remanenation, in order to perfect title in said invention, medifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;		
And I further agree to properly execute and deliver and without further renumeration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Petent which may be granted for my afteresaid invention, as said ASSIGNEE thereof shall be carrier require and prepare at its own expense;		
And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;		
And I hereby coverant that no assignment, Sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.		
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of five (5) years, or both.	
LEGAL NAME OF INVENTOR		
Inventor:	Takeo TSUKAMOTO Date: Fobiacing 2, 2015	
Signature:	Takeo Tsukamoto	

Attorney Docket No.: 1946-0144A Sony Ref. No.: SF2471530301

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE.

Title of Invention	MENU DISPLAY APPARATUS, MENU DISPLAY METHOD AND PROGRAM	
As the below	named inventor, I hereby declare that:	
This declaration is directed to:	The attached application, or	
	United States application or PCT international application number 14/525,873  filed on _October 28, 2014	
The above-ide	utified application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  WHEREAS, SONY CORPORATION , with offices at		
1-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN  Regal protection which may be granted therefor in the United States and in any and all foreign countries;		
NOW TREBEFORE, in consideration of the sum of One Deller (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and is and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, 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 to which the United States of America adheres, and to any other hencifus accroise to me with respect to the filling of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby matherize and request the Commissioner of Patents to issue said United States Letters Patent to said ASSIGNEE, as the assignce of the whole right, title and interest thereto;		
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNES or its designee, as ASSIGNES or its successors, assigns and legal representatives may from time-to-time present to me and without further resonneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto:		
And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for fureign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as said ASSIGNEE thereof shall be eather require and prepare at its own expense;		
And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related therein.		
And I hereby coverient that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.		
I havely acknowledge that any willful fillse statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAM	TE OF INVENTOR	
Inventor:	Katsuya HYODO pare Feb. 2 2015	
Signature:	Karsaya Hyodo	

Attorney Docket No.: 1946-0144A Sony Ref. No.: SP247163US01

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	MENU DISPLAY APPARATUS, MENU DISPLAY METHOD AND PROGRAM	
As the below	named inventor. I bereby declare that:	
This declaration is directed to:	m The attached application, or	
	United States application or PCT international application number 14/525,873  Red on October 28, 2014	
The above ide	miffed application was made or authorized to be made by me.	
I believe that ) WHEREAS,	am the original inventor or an original joint inventor of a claimed invention in the application.  SONY CORPORATION , with offices at	
1-7-1 KO	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of	
	nterest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar in which may be granted therefor in the United States and in any and all foreign countries;	
NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, 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 to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;		
designee, as remuneration,	agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of less and countries foreign thereto:	
And I further agree to properly execute and deliver and without further renumeration, such necessary or desirable and lawful papers for application for fureign patents, for filing subdivisions of said application for patent, and or, for obtaining any release or reissues of any Letters Patent which may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;		
And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Latters Potent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto:		
And I hereby of this assignment	ovenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with t and sale.	
	rededge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of live (5) years, or both.	
LEGAL NAM	E OF INVENTOR	
Inventor:	Junichirou SAKATA Date: June 1, 2015	
Signature:	Tunichirara Sokata	

Attorney Docket No.: 1946-0144A Sony Ref. No.: SP247163US01

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	MENU DISPLAY APPARATUS, MENU DISPLAY METHOD AND PROGRAM	
As the below	named inventor, I hereby declare that:	
This declarati is directed to:	The attached application, or	
	United States application or PCT international application number 14/525,873 filed on October 28, 2014	
The above-ide	entified application was made or authorized to be made by me.	
WHEREAS,	f am the original inventor or an original joint inventor of a claimed invention in the application.  SONY CORPORATION , with offices at	
	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of	
	nterest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar on which may be granted therefor in the United States and in any and all foreign countries;	
NOW THEREPORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, 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 to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filting of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto.		
designee, as remuneration,	agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of ales and countries foreign thereto;	
application fo	agree to properly execute and deliver and without further remaneration, such necessary or desirable and lawful papers for refereign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;	
application, s	agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said aid invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will e same in any interference or litigation related thereto;	
And I hereby covenant that no assignment, sale, agreement or encombrance has been or will be made or entered into which would conflict with this assignment and sale.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAM	E OF INVENTOR	
Inventor:	Shoichiro MORIYA Date: Jebruary 2, 2015	
Signature:	Shoidure Horya	

**RECORDED: 01/03/2018**