#### 502216739 02/01/2013

#### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Jianing Wu	12/10/2012
Yoshiaki Iwai	12/11/2012
Shunichi Homma	12/10/2012

#### 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:	13756944

#### **CORRESPONDENCE DATA**

Fax Number: 2125880500

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (212) 588-0800
Email: sarjune@flhlaw.com

Correspondent Name: FROMMER LAWRENCE & HAUG
Address Line 1: 745 FIFTH AVENUE- 10TH FL.
Address Line 4: NEW YORK, NEW YORK 10151

ATTORNEY DOCKET NUMBER: 450100-06748

NAME OF SUBMITTER: William S. Frommer

Total Attachments: 3 source=01221756#page1.tif source=01221756#page2.tif source=01221756#page3.tif

> PATENT REEL: 029740 FRAME: 0190

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Attorney Docket No.: 450100-06748 Sony Ref. No.: SP318360US00

# 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	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING	
faventies	METHOD, AND COMPUTER PROGRAM	
A. d. l. t. t.		
As me below	named inventor, I hereby declare that:	
This declarati	(X) the second of the second o	
MANAGE BER	United States application or PCT international application number	
	filed on	
The above-ide	ntified application was made or authorized to be made by me.	
WHEREAS,	am the original inventor or an original joint inventor of a claimed invention in the application.  SONY CORPORATION  NAN MINATO VII TOY VO 108 0000000000000000000000000000000000	
1-7-1 KO	WALL MINTER OF TONION TO THE REAL PRINTS IN THE PRINTS IN	
icgal protection	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;	
logal represents in and to any a any and all pric Convention Re adheres, and to United States as	FORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency creby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and atives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to prity rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American lating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the accountries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters and interest thereto;	
remuneration, is	gree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its SSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further a order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of its and countries foreign thereto;	
Patent which ma	gree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for breign patents, for filling subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters by be granted for my aforesaid invention, as said ASSIGNEE thereof shall becauter require and prepare at its own expense;	
tostify as to the s	gree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will same in any interference or litigation related thereto;	
And I hereby con this assignment a	venam that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with	
I hereby acknow not more than fiv	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of e (5) years, or both.	
LEGAL NAME OF INVENTOR		
Inventor: JL	ANING WU Date: December 10, 2012	
Signature:	ioning Wu	

PATENT REEL: 029740 FRAME: 0191

Attorney Docket No.: 450100-06748 Sony Ref. No.: SP318360US00

## 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	METHOD	, AND COMPU	ier program	us, information pro	OCESSING
As the below	named inventor,	I hereby declare that:		***************************************	
This declaration is directed to:	on 🛛	The attached applicat	tion, or		
			tion or PCT international sp	plication number	
The above-ide	ntified applicatio	m was made or authoriz			
I believe that I WHEREAS,	am the original i	inventor or an original j PORATION	joint inventor of a claimed	invention in the application.	write a CCC
1-7-1 KO	YAN, MINAT	O-KU, TOKYO, I	08-0075, JAPAN	Oranoina Ban and an a	S. S. S. S. San San San
acquiring all in	iterest in to and	under said invention a	ald application disclosing t United States and in any an	A STATE OF THE STA	ASSIGNME), is desirous of y Letters Patent or similar
legal represents in and to any at any and all pric Convention Rel adheres, and to United States at Patent to said A	utives, the entire and all Letters Par solid Letters Par solid Patents, any other benefind countries force SSIGNEE, as the	right, title and interest is tent of the United State of convention rights und Designs and Industrial its accruing or to accru- ign thereto, and I heret a assignee of the whole	in said invention, said applies, and countries foreign the fer the International Conveil Models, and any other inter to me with respect to the sy authorize and request the right, title and interest these		s successors, assigns, and continuations thereof, and if invention, and in end to Property, Inter-American United States of America Securing of patents in the said United States Letters
remuneration, in the United States	order to perfect s and countries fo	t title in said invention, oreign thereto;	, modifications, and impro	unents, including assignments in fa may from time-to-time present to eventents in said invention, application	me and without further ons and Letters Patent of
Patent which ma	y be granted for	my aforesaid invention	, as said ASSIGNEE there	neration, such necessary or desirable, and or, for obtaining any reissue of shall hereafter require and prepare	or reissues of any Letters at its own expense:
And I further as application, said testify as to the sa	gree that ASSIG invention and as some in any interf	NEE will, upon its re aid Letters Patent and i ference or litigation rela	quest, be provided promp legal equivalents in foreign ated thereto;	otly with all pertinent facts and doe n countries as may be known and so	cuments relating to said
And I hereby cov this assignment a	cnant that no ass nd sale.	signment, sale, agroome	ent or encumbrance has bee	en or will be made or entered into wi	nich would conflict with
I hereby acknowl not more than five	edge that any wi	iliful false statement m	ade in this declaration is p	nunishable under 18 U.S.C. 1601 by	fine or imprisonment of
LEGAL NAME (	OF INVENTOR	***************************************	***************************************		***************************************
	DSHIAKI IWA	41	»	Date: December	//.20/2
Signature: 7	porhials	Burai			100
***************************************	Z	**************************************	***************************************		

PATENT REEL: 029740 FRAME: 0192

Amorney Docket No.: 450100-06748 Sony Ref. No.: SP318360US00

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

Titls of Invention	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND COMPUTER PROGRAM
As the below	named inventor, I hereby declare that:
This declaration is directed to:	X The reservation of the state
•	United States application or PCT international application number filed on
The above ide	antified application was made or authorized to be made by me.
I believe that I	I am the original inventor or an original joint inventor of a claimed invention in the application.
1-7-1 KO	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinastes referred to as ASSIGNEE), is desirous of
acdniug su a	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;
of which are h legal represent in and to any s any and all pri Convention Re adheres, and to United States s Patent to said And I further s designee, as A remumeration,	FORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency hereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and tatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to ority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American elating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of American elating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of American elating to Patents, Designs and Industrial Models, and any other international agreements for patents or securing of patents in the said countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to Issue said United States Letters ASSIGNEE, as the assignee of the whole right, title and interest thereto;  agree to execute all necessary or desirable and lawful future documents, including assignments in favor of 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 test and countries foreign thereto;
application for	agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters asy be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;
application, sai	agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will same in any interference or litigation related thereto;
And I hereby co this assignment	ovenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with tand sale.
I hereby acknown than f	wledge 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 NAME	E OF INVENTOR
Inventor:S	SHUNICHI HOMMA Dete: December 10 20/2
Signature:	Shunichi Homme

PATENT REEL: 029740 FRAME: 0193

**RECORDED: 02/01/2013**