#### 504366316 05/15/2017

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4413008

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MICHAEL JOHN WILLIAMS	05/11/2017
WILLIAM JACK LEATHERS-SMITH	05/11/2017
PAUL EDWARD PRAYLE	05/11/2017

#### **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:	15594740

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)413-2220

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:** (703) 413-3000

Email: mguerrero@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	503433US	
NAME OF SUBMITTER:	MELANIE GUERRERO	
SIGNATURE: /Melanie Guerrero/		
DATE SIGNED:	05/15/2017	
This document serves as an Oath/Declaration (37 CFR 1.63).		

#### **Total Attachments: 3**

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PATENT 504366316 REEL: 042374 FRAME: 0578

Attorney Docket Number: 503433US

### 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, METHOD AND COMPUTER PROGRAM PRODUCT		
As the below named inventor, I hereby declare that:		
This declaration  The attached application, or		
is directed to: United States application or PCT international application number filed on		
The above-identified 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 (hereinafter referred to as "ASSIGNEE") having places of business at: 1-7-1 Konan, Minato-ku, Tokyo, 108-0075, Iapan, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;		
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.		
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.		
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
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: Michael John WILLIAMS Date: 11th May 2017		
Signature: M. C. M.		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET

ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 042374 FRAME: 0579 Attorney Docket Number: 503433US

# 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, METHOD AND COMPUTER				
Invention	PROGRAM PRODUCT				
As the below named inventor, I hereby declare that:					
This declaration 🗵	The attached application, or				
is directed to:	is directed to: United States application or PCT international application number filed on				
The above-identifie	ed application was made or authorized to be made by me.				
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.				
<u>Japan</u> , is desirous	y Corporation d to as "ASSIGNEE") having places of business at: 1-7-1 Konan, Minato-ku, Tokyo, 108-0075, of acquiring the entire right, title and interest in and to said invention and in and to any Letters granted therefore in the United States and its territorial possessions and in any and all foreign				
acknowledged, and said ASSIGNEE, the and in all foreign cother relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby a for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial and any and all foreign countries and in and to any and all divisions, reissues, continuations, mewals thereof.				
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.					
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.					
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: William Jack LEATHERS-SMITH Date: 11/05/2017					
Signature:					

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 042374 FRAME: 0580

Attorney Docket Number: 503433US

# 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	INFORMATION PROCESSING APPARATUS, METHOD AND COMPUTER PROGRAM PRODUCT			
As the below name	d inventor, I hereby declare that:			
This declaration \	The attached application, or			
is directed to: United States application or PCT international application number				
The above-identifie	d application was made or authorized to be mad	de by me.		
I believe that I am t	he original inventor or an original joint inventor	r of a claimed invention in the application.		
(hereinafter referred Japan , is desirous	of acquiring the entire right, title and interest i	ss at: 1-7-1 Konan, Minato-ku, Tokyo, 108-0075, in and to said invention and in and to any Letters territorial possessions and in any and all foreign		
acknowledged, and said ASSIGNEE, the and in all foreign coother relevant Inter- interest in and to a	for other good and valuable consideration, I, be ne full and exclusive right to the said invention ountries (including the right to claim priority un- national Treaties and Arrangements from the al- my and all Letters Patent which may be granted any and all foreign countries and in and to	DOLLARS (\$5.00), the receipt whereof is hereby by these presents do sell, assign and transfer unto in the United States and its territorial possessions nder the terms of the International Convention and foresaid application) and the entire right, title and ed therefor in the United States and its territorial o any and all divisions, reissues, continuations,		
any and all foreign assignee of my enti (his) successors and	countries to issue any and all of said Letters ire right, title and interest in and to the same, for	Patent, when granted, to said ASSIGNEE as the or the sole use and behoof of said ASSIGNEE, its a said Letters Patent may be granted, as fully and tent and sale not been made.		
respecting said inv continuation, substi- all of said Letters possible to aid said	vention, and testify in any legal proceeding, itute, renewal and reissue applications, execute Patent to be issued to said ASSIGNEE, make	or its (his) representatives any facts known to me, sign all lawful papers, execute all divisional, all necessary assignment papers to cause any and e all rightful oaths, and, generally do everything, to obtain and enforce proper protection for said any and all foreign countries.		
	rledge that any willful false statement made in the ment of not more than five (5) years, or both.	his declaration is punishable under 18 U.S.C. 1001		
LEGAL NAME OF	FINVENTOR			
Inventor: Paul Ed	ward PRAYLE	Date: _11/05/2017		
Signature:	1 2. i			

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 042374 FRAME: 0581

**RECORDED: 05/15/2017**