Form PTO-1595 (Rev. 03-11) OMB No. 0651-0027 (exp. 03/31/2016)	U.S. DEPARTMENT OF COMMERC United States Patent and Trademark Office
RECORDATION FOR	
PATENTS	3 ONLY
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
Name of conveying party(les):	2. Name and address of receiving party(ies)
Yasunori Kawanami (01/21/2013), Toshimitsu Tsuboi (01/22/2013), Tsutomu Sawada (01/21/2013),	Name: Sony Corporation
Additional name(s) of conveying party(les) sitisched? X Yes No	Street Address:
3. Nature of conveyance/Execution Date(s):	1-7-1 Konan, Minato-ku
Execution Date(s): in parentheses after inventor name x Assignment Merger Change of Name	Tokyo 108-0075 JAPAN
Security Agreement Joint Research Agreement	City:
Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: Zip:
Olher	Additional name(s) & address(es) Yes X No attached?
13/781,877 Additional numbers attached	Yes X No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Dennis M. Smid, Esq. LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7, Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: SONYJP 3.0-2992 Street Address: 600 South Avenue West	X Authorized to be charged to deposit account Enclosed None required (government interest not affecting little)
City: Westfield	B. Britanista
City: Westfield State: NJ Zip: 07090	8. Payment information
Phone Number: 908-654-5000	
Fax Number: 908-654-7866	Deposit Account Number12-1095
Email Address: ataylor@ldlkm.com	Authorized User Name Dennis M. Smid, Esq.
9. Signature:	March 1, 2013
Signature /	Date
Dennis M. Smld, Esq 34,930 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents: 7

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PATENT REEL: 029919 FRAME: 0891

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RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)			
Additional Conveying Pa	Additional Conveying Party(ies)/Execution Date(s) (1. Continued):		
Masakuni Nagano (01/21/20	13), and Akinori Kamoda	(01/30/2013)	
Additional Assignees (2.	. Continued):		
Assignee Name:Internal Address:			
Street Address:			
City:	State:	Country:	Zip:
Assignee Name:			
Internal Address: Street Address:			
City:	State:	Country:	Zip:
Assignee Name:			
Internal Address:			
Street Address:			
City:	State:	Country:	Zip:
Additional Applications a	and/or Patents (4. Co	ntinued):	
Additional Patent Application Number 4A. Continued:	ers ·	Additional Patent Numbers 4B, Continued:	
	Additional numbers attached?	Yes No	
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Dockel No.: SONYJP 3.0-2992

REEL: 029919 FRAME: 0892

Attorney Docket No.: SONYJP 3,0-2992 Sony Ref. No.: SP340061US00

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	ROBOT APPARATUS, METHOD OF CONTROLLING ROBOT APPARATUS, AND COMPUTER 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 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 , with offices at
1-7-1 KO	NAIN, MINATO-KU, TOKYO, 108-0075, JAPAN (henringster referred to an ASSUMICE)
acquiring all in legal protection	sterest 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;
legal represent in and to any a any and all price Convention Readheres, and to United States a Patent to said A And I further a designee, as A remuneration, if the United State And I further a application for Patent which my	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 and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to brity 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 filling of applications for patents or securing of patents in the nd countries foreign thereto, and I bereby authorize and request the Commissioner of Patents to Issue said United States Letters and countries foreign thereto, and I bereby authorize and interest thereto; Ingree 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 and countries foreign thereto; Ingree 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 are that ASSIGNEE unit and prepare at its own expense;
application, said testify as to the	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 forcign countries as may be known and accessible to me and will same in any interference or litigation related thereto;
	venant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with
hereby acknownot more than fi-	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of c(5) years, or both.
LEGAL NAME	OF INVENTOR
	ASUNORI KAWANAMI
Signature:	parumoni Hawanami
<u> </u>	

Attorney Docket No.: SONYJP 3,0-2992 Sony Roll No.: SP340061US00

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

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Title of Invention	ROBOT APPARATUS, METHOD OF CONTROLLING ROBOT APPARATUS, AND COMPUTER PROGRAM	
As the below	named inventor, I hereby declare that:	
This declarated is directed to:	1361 mm	
	United States application or PCT international application number filed on	
The above-ide	entified 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-/-1 KQ	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of	
legal 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;	
legal represent in and to any of any and all pri Convention Re adheres, and to United States :	FORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency nereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and altives, 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 America or any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the and 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;	
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 remuneration, 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 Patent which may be greated 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 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 covenant 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 (3) years, or both.		
LEGAL NAME OF INVENTOR		
	OSHIMITSU TSUBOL	
Signature:	Tochimiten Finler	

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Attorney Docket No.: SONYJP 3,0-2992 Sony Ref. No.: SP340061US00

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	ROBOT APPARATUS, METHOD OF CONTROLLING ROBOT APPARATUS, AND COMPUTER PROGRAM
As the below	named inventor, I hereby declare that:
This declaration is directed to:	X The appropriate of the state
	United States application or PCT International application number
	filed on
The above-ide	intified application was made or authorized to be made by me.
I believe that I 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
acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;	
legal represent in and to any a and all pri Convention Readheres, and tr United States a Patent to said A	FORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency nereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and ratives, 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 can other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the and 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;
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 es and countries foreign thereto:
	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 lay be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;
and the commence and makes	agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said dinvention 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 or this assignment	overant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with and sale.
I hereby auknor not more than fi	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of ive (5) years, or both.
LEGAL NAME	OF INVENTOR
Inventor: 1	SUTOMU SAWADA Dae: Januaru 21 2013
Signature:	huitonu Sawada

Later Comments

Attorney Docket No.: SONYJP 3.0-2992 Sony Ref. No.: SP340061US00

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

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Title of Invention	ROBOT APPARATUS, METHOD OF CONTROLLING ROBOT APPARATUS, AND COMPUTER 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 filed on
The above-ide	multified 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 , with offices at
	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinefler referred to as ASSICARCE) is designed to
ecquiring all le legal 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;
legal represent in and to any a any and all pri Convention Re adheres, and to United States a Patent to said A	PORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency nereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and arrives, 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 America or any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the and 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;
remuneration,	agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its auccessors, 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 es and countries foreign thereto;
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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 covenant 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 acknownot more than fi	wiedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of ive (5) years, or both.
LEGAL NAME	OF INVENTOR
	MASAKUNI NAGANO Date: Jahuany 2/ 2013
Signature: <u>M</u>	Issakuni Magano

Attorney Docket No.: SONYJP 3.0-2992 Sony Ref. No.: SP340061US00

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

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Title of Invention	ROBOT APPARATUS, METHOD OF CONTROLLING ROBOT APPARATUS, AND COMPUTER PROGRAM		
As the below	As the below named inventor, I hereby declare that:		
This declarati	IXI The sate should result the sate		
	United States application or PCT international application number		
	filed on		
The above-id	entified 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			
	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of		
	Interest 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;		
of which are legal represes in and to any any and all p Convention I adheres, and United States	EFORE, 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 matives, 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 nority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American letating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters ASSIGNEE, as the assignce of the whole right, title and interest thereto;		
designee. as reasumeration	ragree 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 ates and countries foreign thereto;		
application fo	r agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for a foreign 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	r 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 be same in any interference or litigation related thereto:		
And I hereby this assignme	covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with int and sale.		
	cowledge 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 NAM	Æ OF INVENTOR		
Inventor:	AKINORI KAMODA Dete: 2013 / 01/30		
Signature:	akinon Komodo		
	PAIENI		
RECOR	DED: 03/01/2013 REEL: 029919 FRAME: 0897		