502212527 01/30/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Shinichi Ushikura	11/09/2012
Akihiro Nomoto	11/09/2012
Ryouichi Yasuda	11/09/2012
Akira Yumoto	11/09/2012
Nobuhide Yoneya	11/12/2012
Shimpei Tsujikawa	11/09/2012

RECEIVING PARTY DATA

Name:	Sony Corporation
Street Address:	1-7-1 Konan
Internal Address:	Minato-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	108-0075

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13678580

CORRESPONDENCE DATA

Fax Number: 6176468646

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

Phone: 617-646-8000

Email: patents_SonyAdmins@wolfgreenfield.com

Correspondent Name: Wolf Greenfield & Sacks

Address Line 1: 600 Atlantic Ave.

Boston, MASSACHUSETTS 02210 Address Line 4:

	DATENT
ATTORNEY DOCKET NUMBER:	S1459.71385US00

REEL: 029719 FRAME: 0263

PATENT 502212527

NAME OF SUBMITTER:	Marjorie DePina
Total Attachments: 6 source=S145971385US00 - Assignment#pa	age2.tif age3.tif age4.tif age5.tif

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	TRANSISTOR, DISPLAY, AND ELECTRONIC APPARATUS
As the below i	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	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE) is desirous of
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 a which may be granted therefor in the United States and in any and all foreign countries:
legal representation and to any and any and all price Convention Reladheres, and to United States and 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 ereby acknowledged. I by these presents do hereby assign, self 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 not 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 and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters and interest thereto;
remuneration, in	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 n order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of each countries foreign thereto:
Patent which ma	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 as be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense:
appropriation. State	gree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said linvention 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 his assignment	venant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with and sale.
hereby acknow not more than five	eledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of we (5) years, or both.
EGAL NAME	OF INVENTOR
	HINICHI USHIKURA Date: 2012 / 1. 9
ignature:	hinishi Ushikuta

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legal represent in and to any a any and all pri Convention Re adheres, and to 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 pereby 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 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 any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the indicountries 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 assignments in favor of ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further n order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of es and countries foreign thereto:
аррисацов юг	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 as be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense:
appucation, sai	agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said d 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 and sale.
hereby acknown of more than f	viedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of ve (5) years, or both.
	OF INVENTOR
	AKIHIRO NOMOTO Date: November 9 2012
Signature:	Value Romoti

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of which are h legal represent in and to any a any and all pric Convention Re adheres, and to United States 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 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 America of 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:	
designee, as A remuneration, i	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 tes 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 co	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 of more 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: F	RYOUICHI YASUDA Date: Notember 9, 2012 Ref	
Signature:	RYOUICHI YASODA Date: Notember 9, 2012 RA Regarichi Yasında	

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LEGAL NAMI	E OF INVENTOR
nventor:/	AKIRA YUMOTO Date: November 9, 2012
Signature:	This Jumito

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LEGAL NAME	OF INVENTOR
nventor: N	NOBUHIDE YONEYA Date: 20/2 , /1 , /2
ignature:	notation Joneyi

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	OF INVENTOR
Inventor: S	HIMPEI TSUJIKAWA Date: November 12 2012
Signature:	slime 3 y low

PATENT REEL: 029719 FRAME: 0270

RECORDED: 01/30/2013