PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4398050

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INVENTOR 3 EXECUTION DATE IS 11/02/2012 previously recorded on Reel 041284 Frame 0192. Assignor(s) hereby confirms the INVENTOR 3 EXECUTION DATE IS 11/02/2012.

CONVEYING PARTY DATA

Name	Execution Date
HIDEMASA YAMAGUCHI	11/12/2012
HIRONAO TANAKA	11/12/2012
DAISUKE ITO	11/02/2012

RECEIVING PARTY DATA

Name:	JAPAN DISPLAY WEST INC.
Street Address:	50 AZA KAMIFUNAKI, O-AZA OGAWA
Internal Address:	HIGASHIURA-CHO, CHITA-GUN
City:	AICHI-KEN
State/Country:	JAPAN
Postal Code:	470-2102

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15434598

CORRESPONDENCE DATA

Fax Number: (312)827-8285

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: (312)372-1121

Email: chicago.patents@klgates.com

Correspondent Name: THOMAS C. BASSO Address Line 1: P.O. BOX 1135

Address Line 4: CHICAGO, ILLINOIS 60690

ATTORNEY DOCKET NUMBER:	3724078-03684
NAME OF SUBMITTER:	THOMAS C. BASSO
SIGNATURE:	/Thomas C. Basso/
DATE SIGNED:	05/04/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

PATENT REEL: 042399 FRAME: 0241

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source=3724078-03684_assignment#page5.tif

PATENT REEL: 042399 FRAME: 0242 Assignment Page 1 of 2

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HIDEMASA YAMAGUCHI	11/12/2012
HIRONAO TANAKA	11/12/2012
DAISUKE ITO	12/02/2012

RECEIVING PARTY DATA

Name:	JAPAN DISPLAY WEST INC.
Street Address:	50 AZA KAMIFUNAKI, O-AZA OGAWA
Internal Address:	HIGASHIURA-CHO, CHITA-GUN
City:	AICHI-KEN
State/Country:	JAPAN
Postal Code:	470-2102

PROPERTY NUMBERS Total: 1

	Number
Application Number:	15434598

CORRESPONDENCE DATA

Fax Number: (312)827-8285 **Phone:** (312)372-1121

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that is unsuccessful, it will be sent via US Mail.

Correspondent Name: THOMAS C. BASSO Address Line 1: P.O. BOX 1135

Address Line 4: CHICAGO, ILLINOIS 60690

ATTORNEY DOCKET NUMBER:	3724078-03684
NAME OF SUBMITTER:	THOMAS C. BASSO
Signature:	/Thomas C. Basso/

Assignment Page 2 of 2

Date:	02/17/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
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RECEIPT INFORMATION	DN
EPAS ID:	PAT4279833
Receipt Date:	02/17/2017

Attorney Docket No.: 3712174-03419 Sony Ref. No.: SP342807US00

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	DISPLAY DEVICE AND ELECTRONIC APPARATUS
As the below	named inventor, I hereby declare that:
This declaration is directed to:	[V]
	United States application or PCT international application number filed on
The above-ide	entified application was made or authorized to be made by me.
WHEKEAS,	am the original inventor or an original joint inventor of a claimed invention in the application. Japan Display West Inc. , with offices at
CHITA-G	CAMIFUNARI, O-AZA OGAWA, HIGASHIURA-CHO, JUN, AICHI-KEN, 470-2102 JAPAN
acquiring all in 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 represents in and to any s any and all pric 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 nereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and attives, 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 any other benefits accruing or to accrue to me with respect to the filling 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, i	agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its assigns and legal representatives may from time-to-time present to me and without further no order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of estand countries foreign thereto;
Patent which m	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 ay be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;
And I further a application, said	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:	evenant 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 fir	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.
LEGAL NAME	OF INVENTOR
nventor: H	IDEMASA YAMAGUCHI Date: 20/2 //, /2
Signature:	Indenoisa Janaserdi
	The state of the s

PATENT REEL: 042399 FRAME: 0245

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	DISPLAY DEVICE AND ELECTRONIC APPARA	TUS	
As the below named inventor, I hereby declare that:			
This declaration is directed to:	X The establishment and		
The above-ide	United States application or PCT international application filed on entified application was made or authorized to be made by me.	number	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. WHEREAS, Japan Display West Inc.			
50 AZA k	KAMIFUNAKI, O-AZA OGAWA, HIGASHIURA-CHO,	, with others at	
CHITA-C	IUN, AICHI-KEN, 470-2102 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;			
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;			
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 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 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 (5) years, or both.			
LEGAL NAME OF INVENTOR			
Inventor: H	URONAO TANAKA	Date: November/2, 20/2	
Signature:	tirongo Tanaka	the state of the s	
		Minimum Colorada Colo	

PATENT REEL: 042399 FRAME: 0246

Attorney Docket No.: 3712174-03419 Sony Ref. No.: SP342807US00

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	DISPLAY DEVICE AND ELECTRONIC APPARATUS		
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-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, Japan Display West Inc.			
50 AZA K	AMIFUNAKI, O-AZA OGAWA, HIGASHIURA-CHO,		
CHITA-G	IUN, AICHI-KEN, 470-2102 JAPAN (hereinafter referred to as ASSICALITY)		
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;			
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;			
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 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 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 (5) years, or both.			
LEGAL NAME OF INVENTOR			
Inventor: D	Date: hovember 2, 20/2		
Signature: Daisula Vo			

PATENT REEL: 042399 FRAME: 0247

RECORDED: 05/04/2017