### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5435608

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YOSHITAKA OZEKI	03/01/2019
TADAYOSHI KATSUTA	02/28/2019
KOJI ISHIZAKI	02/16/2019
TAKAHIRO TAKEUCHI	02/28/2019
KOSHIRO MORIGUCHI	02/28/2019

#### **RECEIVING PARTY DATA**

Name:	JAPAN DISPLAY INC.	
Street Address:	eet Address: 3-7-1, Nishi-shinbashi, Minato-ku	
City:	Tokyo	
State/Country:	Japan	
Postal Code:	105-0003	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16361508

### **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

rwiersma@oblon.com Email:

**Correspondent Name:** OBLON, ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	521376US
NAME OF SUBMITTER:	RJ WIERSMA
SIGNATURE:	/RJ WIERSMA/
DATE SIGNED:	03/22/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
T 1 1 4 1	

Total Attachments: 5

**PATENT REEL: 048669 FRAME: 0798** 

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PATENT REEL: 048669 FRAME: 0799

## 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	DISPLAY DEVICE
Invention	
As the below n This declaration is directed to:	amed inventor, I hereby declare that:  The attached application, or  United States application or PCT international application number
<del></del>	filed on(If any) .
The above-iden	tified 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.
Nishi-shinba	apan Display Inc. (hereinafter referred to as "ASSIGNEE") having places of business at: 3-7-1, shi, Minato-ku, Tokyo 105-0003 Japan, is desirous of acquiring the entire right, title and to said invention and in and to any Letters Patent that may be granted therefore in the United States all possessions and in any and all foreign countries;
acknowledged, said ASSIGNE possessions and Convention and entire right, title and its territori	REFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto EE, the full and exclusive right to the said invention in the United States and its territorial din all foreign countries (including the right to claim priority under the terms of the International diother relevant International Treaties and Arrangements from the aforesaid application) and the e and interest in and to any and all Letters Patent which may be granted therefor in the United States all possessions and in any and all foreign countries and in and to any and all divisions, reissues, substitutions and renewals thereof.
any and all fore assignee of my (his) successors	corize and request the Patent Office Officials in the United States and its territorial possessions and eign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and ame 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.	
	nowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. imprisonment of not more than five (5) years, or both.
LEGAL NAME OF INVENTOR	
Inventor:Y	Toshitaka Ozeki Date: March / 1/2019
Cionobano	Yoshitaka Ozeki

PATENT REEL: 048669 FRAME: 0800

### 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 L	DISPLAY DEVICE
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As the below nam	ned inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States application or PCT international application number
	filed on(If any) .
The above-identif	fied application was made or authorized to be made by me.
I believe that I am	n the original inventor or an original joint inventor of a claimed invention in the application.
Nishi-shinbash interest in and to	nan Display Inc. (hereinafter referred to as "ASSIGNEE") having places of business at: 3-7-1, i. Minato-ku, Tokyo 105-0003 Japan, is desirous of acquiring the entire right, title and said invention and in and to any Letters Patent that may be granted therefore in the United States possessions and in any and all foreign countries;
acknowledged, ar said ASSIGNEE possessions and i Convention and c entire right, title a and its territorial	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby and 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 in all foreign countries (including the right to claim priority under the terms of the International other relevant International Treaties and Arrangements from the aforesaid application) and the and interest in and to any and all Letters Patent which may be granted therefor in the United States possessions and in any and all foreign countries and in and to any and all divisions, reissues, ostitutions and renewals thereof.
any and all foreign assignee of my er (his) successors a	rize and request the Patent Office Officials in the United States and its territorial possessions and go countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the attire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and me 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 (	
	dayoshi Katsuta Date: February /28/2019
Signature: Ta	dayoshi katsuta

### 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	DISPLAY DEVICE	
Invention		
	amed inventor, I hereby declare that:	
This declaratio		
is directed to:	United States application or PCT international application number	
	filed on(If any) .	
The above-ider	ntified application was made or authorized to be made by me.	
	am the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, <u>Japan Display Inc.</u> (hereinafter referred to as "ASSIGNEE") having places of business at: <u>3-7-1</u> , <u>Nishi-shinbashi, Minato-ku, Tokyo 105-0003 Japan</u> , 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, THE	REFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby	
	and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto	
	EE, the full and exclusive right to the said invention in the United States and its territorial	
-	d in all foreign countries (including the right to claim priority under the terms of the International	
	d other relevant International Treaties and Arrangements from the aforesaid application) and the e and interest in and to any and all Letters Patent which may be granted therefor in the United States	
	ial 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		
	eign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the	
-	entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its	
(his) successor	s 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 ag	ree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me	
	l 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:I	Koji Ishizaki Date: Feh / 16/2019	
Signature:	Koji Ishiagki	

# 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	
Ac the helow n	amed inventor, I hereby declare that:	
This declaratio		
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	ntified application was made or authorized to be made by me.	
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Nishi-shinba interest in and	apan Display Inc. (hereinafter referred to as "ASSIGNEE") having places of business at: 3-7-1, shi, Minato-ku, Tokyo 105-0003 Japan, is desirous of acquiring the entire right, title and to said invention and in and to any Letters Patent that may be granted therefore in the United States al 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.		
any and all for assignee of my (his) successor	horize and request the Patent Office Officials in the United States and its territorial possessions and eign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its s and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and same would have been held by me had this Assignment and sale not been made.	
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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:	Takahiro Takeuchi Date: February/28/2019	
Signature:	Takahiro Takeuchi	

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Title of	DISPLAY DEVICE
Invention	
	amed inventor, I hereby declare that:
This declaratio	
is directed to:	United States application or PCT international application number
	filed on(If any).
The above-ide	ntified 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, <u>Japan Display Inc.</u> (hereinafter referred to as "ASSIGNEE") having places of business at: <u>3-7-1</u> , <u>Nishi-shinbashi</u> , <u>Minato-ku</u> , <u>Tokyo 105-0003 Japan</u> , 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;	
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any and all for assignee of my (his) successor	horize and request the Patent Office Officials in the United States and its territorial possessions and reign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its s and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and same would have been held by me had this Assignment and sale not been made.
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1001 by fine or imprisonment of not more than five (5) years, or both.	
LEGAL NAM	E OF INVENTOR
	Koshiro Moriguchi Date: February / 28 / 2019
Signature:	Koshiro Morigachi

PATENT REEL: 048669 FRAME: 0804

**RECORDED: 03/22/2019**