PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6125525

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SATOSHI HORIUCHI	05/27/2019
SEIJIROU GYOUTEN	05/27/2019
YOSHIHIRO ASAI	05/27/2019
SEIYA KAWAMORITA	05/27/2019

RECEIVING PARTY DATA

Name:	SHARP KABUSHIKI KAISHA
Street Address:	1 TAKUMI-CHO, SAKAI-KU
City:	SAKAI CITY, OSAKA
State/Country:	JAPAN
Postal Code:	590-8522

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16885322

CORRESPONDENCE DATA

Fax Number: (571)313-7421

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.

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Correspondent Name: KEATING & BENNETT, LLP

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Address Line 2: SUITE 200

Address Line 4: RESTON, VIRGINIA 20191

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ATTORNEY DOCKET NUMBER:	70404.4862		
NAME OF SUBMITTER:	MICHELLE RHODES		
SIGNATURE:	/AMD/mr/		
DATE SIGNED: 05/28/2020			
	This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 2

PATENT REEL: 052770 FRAME: 0473

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PATENT REEL: 052770 FRAME: 0474

Attorney Docket No. 70404.

COMBINED DECLARATION/ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION

As a below named INVENTOR/ASSIGNOR, I hereby declare that: This declaration The attached application, or is directed to: United States application or PCT international application number filled on filled on filled on filled on filled on filled on filled 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. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56. WHEREAS, Sharp Kabushiki Kaisha (hereinafter referred to as "ASSIGNEE") having places of business at: 1.Takumi-cho.Sakai-ku.Sakai City.Osaka590-8522.Japan, is desirous of acquiring the entire right, title, and interest in, to, and under said invention and any Letters Patent that may be granted therefore in the United States and in any and all foreign countries; NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns, and transfers to ASSIGNEE the full and exclusive right, title, and interest to the said invention and all Letters Patent of the United States to be obtained therefore on said application or any continuation, division, renewal, substitute, or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefore through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property or other relevant International Treaties and Arrangements. ASSIGNOR hereby covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention, and sai	Title CIRCUIT SUBSTRATE AND DISPLAY PANEL			
is directed to: United States application or PCT international application number filed on	As a below named INVENTOR/ASSIGNOR, I hereby declare that:			
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. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56. WHEREAS, Sharp Kabushiki Kaisha (hereinafter referred to as "ASSIGNEE") having places of business at: 1.Takumi-cho.Sakai-ku.Sakai City.Osaka590-8522.lapan, is desirous of acquiring the entire right, title, and interest in, to, and under said invention and any Letters Patent that may be granted therefore in the United States and in any and all foreign countries; NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNDE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns, and transfers to ASSIGNEE the full and exclusive right, title, and interest to the said invention and all Letters Patent of the United States to be obtained therefore on said application or any continuation, division, renewal, substitute, or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefore through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property or other relevant International Treaties and Arrangements. ASSIGNOR hereby covenants 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 as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representa	This declaration 🗵 The attached application, or			
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LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	LEGAL NAME OF FIRST INVENTOR/ASSIGNOR			
Inventor: Satoshi HORIUCHI Date: May 27, 2019	Inventor: Satoshi HORIUCHI			
Signature: Latoshi Hovinchi LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	01611111111111111111111111111111111111	1		
Inventor: Seijirou GYOUTEN Date: May 27, 2019	·	Date: MOV 27 2019		
Signature: Seiziron Syouten		119/ 1/ 1/		

PATENT REEL: 052770 FRAME: 0475

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LEGAL NAME OF THIRD INVENTOR/ASSIGNOR		
Inventor: Yoshihiro ASAI	Date:	May 27, 2019
Signature: Yoshihiro Asai		
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR		
Inventor: Seiya KAWAMORITA	_ Date:	May 27, 2019
Signature: Seiya Kawamosika		

PATENT REEL: 052770 FRAME: 0476

RECORDED: 05/28/2020