505383566 03/20/2019

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YUTO TSUKAMOTO	03/04/2019
SHINICHI KAWATO	03/04/2019
MANABU NIBOSHI	03/04/2019
HIROSHI IMADA	03/04/2019
TOKIYOSHI UMEDA	03/04/2019
BAI ZHANG	03/04/2019
TOMOAKI JO	03/05/2019

#### **RECEIVING PARTY DATA**

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City:	SAKAI CITY, OSAKA
State/Country:	JAPAN
Postal Code:	590-8522

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

Property Type	Number	
Application Number:	16334769	

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	70404.4348/HA
NAME OF SUBMITTER:	CHRISTY DALAKURAS
SIGNATURE:	/AMD/cd/
DATE SIGNED:	03/20/2019

PAIENI REEL: 048643 FRAME: 0482 505383566

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 2** 

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PATENT REEL: 048643 FRAME: 0483

Attorney Docket No. 70404.

# COMBINED DECLARATION/ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION

Title DISPLAY APPARATUS AND METHOD FOR MANUFACTURING SAME			
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 PCT/JP2017/034410 filed on September 25, 2017			
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, Osaka 590-8522, 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 no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;			
ASSIGNOR further 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 representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, and enforce said application, said invention, and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.			
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 FIRST INVENTOR/ASSIGNOR			
Inventor: TSUKAMOTO, Yuto Date: March 4, 2019			
Signature: Muto Jankamoto			
LEGAL NAME OF SECOND INVENTOR/ASSIGNOR			
Inventor: KAWATO, Shinichi Date: March 4, 2019			
Signature: Shinichi Kawato			

PATENT REEL: 048643 FRAME: 0484

### 17R00939/US

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR		-
Inventor: NIBOSHI, Manabu	Date:	March 4,2019
Signature: Manalu Niloshi		
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR		
Inventor: IMADA, Hiroshi	Date:	March 4 2019
Signature: Umada Hivoslin		v /
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR		
Inventor: UMEDA, Tokiyoshi	Date:	March 4. 2019
Signature: Tokiyoshi Umeda		
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR		
Inventor: ZHANG, Bai	Date:	March 4, 2019
Signature: Ban Zhang		
LEGAL NAME OF SEVENTH INVENT <b>O</b> R/ASSIGNOR		
Inventor: JO, Tomoaki	Date:	March 5, 2019
Signature: Tomoaki 50		

PATENT REEL: 048643 FRAME: 0485

**RECORDED: 03/20/2019**