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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RYOSUKE YUMINAMI	09/17/2015
MASAKAZU MIYAMOTO	09/17/2015
MASAHIRO YOSHIDA	09/17/2015
MASAYUKI TAKASHIMA	09/18/2015
TOSHIAKI FUJIHARA	09/17/2015

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16459799

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	T NUMBER: 70404.4521/AK	
NAME OF SUBMITTER:	MICHELLE RHODES	
SIGNATURE:	/AMD/mr/	
DATE SIGNED: 07/02/2019		
This document serves as an Oath/Declaration (37 CFR 1.63).		

PATENT REEL: 049653 FRAME: 0435

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Total Attachments: 3

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PATENT REEL: 049653 FRAME: 0436

COMBINED DECLARATION/ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION

Title	DISPLAY DEVICE	
As a below named INVENTOR/ASSIGNOR, I hereby declare that:		
This declaration The attached application, or		
is direc	ted to: 🔀 United States application or PCT international application number PCT/JP2014/054809 filed on February 27, 2014	
The abo	ove-identified application was made or authorized to be made by me.	
l believ	e that I am the original inventor or an original joint inventor of a claimed invention in the application.	
I hereb claims.	y state that I have reviewed and understand the contents of the above-identified specification, including the	
I ackno	wledge 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: 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522, 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.		
	OR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or I 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	
Invento	or: Ryosuke YUMINAMI Date: 🦠 . 17 . 2015	
Signatu	re: RyasiQue Ziminopii.	
والمراجع والرائي والمحاجد والمحاجد والراجو والراء	NAME OF SECOND INVENTOR/ASSIGNOR	
Invento	or: Masakazu MIYAMOTO Date: Sop. 17. 2015	
Signati	ire: Hasakazu Miyamoto	

PATENT REEL: 049653 FRAME: 0437

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	
Inventor: Masahiro YOSHIDA	Date: <u>Sec. 17, 2015</u>
Signature: Machida	• Air in the second of the sec
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	
Inventor: Masayuki TAKASHIMA	Date:
Signature:	
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
Inventor: Toshiaki FUJIHARA	Date: Sop 17, 2015
Signature: <u>Joshiaki Fizikani</u>	· · · · · · · · · · · · · · · · · · ·
N. Carlotte	

PATENT REEL: 049653 FRAME: 0438

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	
Inventor: Masahiro YOSHIDA	Date:
Signature:	
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	
Inventor: _Masayuki TAKASHIMA	Date:
Signature: Masaynhi Jahashima LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
Inventor: Toshiaki FUJIHARA	Date:
Signature:	

PATENT REEL: 049653 FRAME: 0439

RECORDED: 07/02/2019