### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TORU KURIYAMA	07/08/2015
HIDEKI MORII	07/02/2015
HIROFUMI MIYAMOTO	07/02/2015
TAKAYUKI MIZUNAGA	07/02/2015
YUTA UEYAMA	07/02/2015
TOSHIHIRO YANAGI	07/02/2015

### **RECEIVING PARTY DATA**

Name:	SHARP KABUSHIKI KAISHA
Street Address:	22-22, NAGAIKE-CHO
City:	ABENO-KU, OSAKA-SHI, OSAKA
State/Country:	JAPAN
Postal Code:	545-8522

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

Property Type	Number
Application Number:	14440638

#### **CORRESPONDENCE DATA**

Fax Number:

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.

Email:cgastoukian@kbiplaw.comCorrespondent Name:KEATING & BENNETT, LLPAddress Line 1:1800 ALEXANDER BELL DRIVE

Address Line 2: SUITE 200

Address Line 4: RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER:	70404.2595/AK
NAME OF SUBMITTER:	COURTNEY GASTOUKIAN
SIGNATURE:	/PMM/cg/
DATE SIGNED:	07/15/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 036094 FRAME: 0420

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### **Total Attachments: 4**

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# 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 directed to: United States application or PCT international application number PCT/JP2013/079829 filed on November 5, 2013		
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: 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.		
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: Toru KURIYAMA Date: July 8, 20/5		
Signature: Jorn Kuriyama LEGAL NAME OF SECOND INVENTOR/ASSIGNOR		
Inventor: Hideki MORII Date:		
Signature:		

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	
Inventor: Hirofumi MIYAMOTO	Date:
Signature:  LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	
Inventor: Takayuki MIZUNAGA	Date:
Signature:	
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
Inventor: Yuta UEYAMA	Date:
Signature:	
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	
Inventor: Toshihiro YANAGI	Date:
Signature:	

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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: Toru KURIYAMA Date:		
Signature:		
LEGAL NAME OF SECOND INVENTOR/ASSIGNOR		
Inventor: Hideki MORII Date: 7/2 /2015		
Signature: Hideki Morii		

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR		
Inventor: Hirofumi MIYAMOTO	Date:	7/2/2015
Signature: Nirofoumi migarnoto		
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR		
Inventor: Takayuki MIZUNAGA	Date:	7/2/2015
Signature: Jakapuhi Miyunga LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR		
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR		
Inventor: Yuta UEYAMA	Date:	7/2/2015
Signature: Yuta Veyana LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR		,
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR		
Inventor: Toshihiro YANAGI	Date:	
Signature: Joshihw Ganagi		7/2/2015
// /		• ,

PATENT REEL: 036094 FRAME: 0425

**RECORDED: 07/15/2015**