

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EPSON IMAGING DEVICES CORPORATION	07/08/2010

RECEIVING PARTY DATA

Name:	SONY CORPORATION
Street Address:	1-7-1 Konan, Minato-ku
City:	Tokyo
State/Country:	JAPAN

PROPERTY NUMBERS Total: 46

Property Type	Number
Application Number:	11337848
Application Number:	11365916
Application Number:	11449721
Application Number:	11525938
Application Number:	11636625
Application Number:	11521452
Application Number:	11524254
Application Number:	11705459
Application Number:	11683060
Application Number:	11715974
Application Number:	11746114
Application Number:	11785876
Application Number:	11820626
Application Number:	11902036
Application Number:	11979520
Application Number:	12010834

CH \$1840.00 11337848

Application Number:	11797769
Application Number:	11749792
Application Number:	11976175
Application Number:	12003020
Application Number:	12044585
Application Number:	12193795
Application Number:	12193809
Application Number:	12393635
Application Number:	12400076
Application Number:	12363205
Application Number:	12391322
Application Number:	12362531
Application Number:	12404680
Application Number:	12503921
Application Number:	12499940
Application Number:	12533833
Application Number:	12487027
Application Number:	12546978
Application Number:	12540028
Application Number:	12539873
Application Number:	12560681
Application Number:	12574984
Application Number:	12547738
Application Number:	12610414
Application Number:	12494676
Application Number:	12549427
Application Number:	12607705
Application Number:	12634243
Application Number:	12647956
Application Number:	12717991

CORRESPONDENCE DATA

Fax Number: (312)827-8185

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 3128074310

Email: chicago.patents@klgates.com

Correspondent Name: Thomas C. Basso
Address Line 1: P.O. Box 1135
Address Line 2: K&L Gates LLP
Address Line 4: Chicago, ILLINOIS 60690-1135

ATTORNEY DOCKET NUMBER:

EPSON TO SONY

NAME OF SUBMITTER:

Thomas C. Basso

Total Attachments: 4

source=EpsonAssignment2#page1.tif

source=EpsonAssignment2#page2.tif

source=EpsonAssignment2#page3.tif

source=EpsonAssignment2#page4.tif

ASSIGNMENT

WHEREAS, the undersigned, to wit: EPSON IMAGING DEVICES CORPORATION (hereinafter "ASSIGNOR"), is the lawful owner of the inventions on the attached List of Applications which were filed in the United States Patent and Trademark Office.

AND WHEREAS, Sony Corporation (hereinafter "ASSIGNEE"), a corporation duly organized and existing under the laws of Japan and having its principal office and place of business at 1-7-1 Konan, Minato-ku, Tokyo, Japan, desires to acquire the entire right, title, and interest therein;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, said ASSIGNOR does hereby sell, assign, and transfer, and hereby set over unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to said invention in the United States of America and all foreign countries, including, without limitation, said invention as described in the aforesaid application, to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by said ASSIGNOR had this assignment and sale not been made, including, without limitation, all rights to the aforesaid application and to any United States Letters Patent therefor, when issued together with all improvements thereon and betterments thereof, all related applications including, but not limited to, divisions, continuations, continuations-in-part, reissues and reexaminations thereof and substitutions of or for said application, and all foreign rights including the right to make application for Letters Patent for said inventions in any and all foreign countries and the right to claim priority as to the filing date under the International Convention on the basis for the aforesaid application for United States Letters Patent; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue all Letters Patent issuing therefrom to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNOR hereby agrees to execute any papers, provide any information and testify in any interference or litigation at the request of ASSIGNEE, its successors, assigns and legal representatives, when deemed essential to ASSIGNEE's, its successors', assigns' and legal representatives' full enjoyment, protection, enforcement and title in and to such invention and rights hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, to execute any and all papers desired by said ASSIGNEE, its successors, assigns and legal representatives, for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE, its successors, assigns and legal representatives.

Signature

Date Signed

EPSON IMAGING DEVICES CORPORATION

By: (関 英)
Name: Hidehiko Seki
Title: President
Address: 6925 Toyoshina Tazawa
Azumino-shi Nagano 399-8285 Japan

8 July 2010

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature

Date Signed

H. Hloguchi

8 July 2010

LIST OF APPLICATIONS

<u>K&L Ref. No.</u>	<u>TITLE</u>	<u>Application No.</u>	<u>Application Date</u>
3712174-02286	ELECTRO-OPTICAL DEVICE, ELECTRONIC APPARATUS, AND ILLUMINATING DEVICE	11/337848	1/23/2006
3712174-02282	COLOR FILTER SUBSTRATE, LIQUID CRYSTAL UNIT, AND ELECTRONIC DEVICE	11/365916	3/2/2006
3712174-02291	SEMI-TRANSMISSIVE LIQUID CRYSTAL DISPLAY DEVICE WITH SIGNAL LINES THAT ARE BROADER IN THE TRANSMISSIVE PORTION THAN IN THE REFLECTIVE PORTION	11/449721	6/9/2006
3712174-02293	LIQUID CRYSTAL DEVICE, LIGHT-EMITTING DEVICE, AND ELECTRONIC APPARATUS	11/525938	9/25/2006
3712174-02296	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/636625	12/11/2006
3712174-02292	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/521452	9/15/2006
3712174-02294	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/524254	9/21/2006
3712174-02300	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	11/705459	2/13/2007
3712174-02301	LIQUID CRYSTAL DEVICE, METHOD FOR MANUFACTURING LIQUID CRYSTAL DEVICE, AND ELECTRONIC APPARATUS	11/683060	3/7/2007
3712174-02302	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/715974	3/9/2007
3712174-02305	ELECTRO-OPTICAL DEVICE HAVING A COLOR FILTER HAVING COLOR LAYERS WITH DIFFERENT HUES	11/746114	5/9/2007
3712174-02307	ELECTRONIC CIRCUIT, ELECTRO-OPTICAL DEVICE, AND ELECTRONIC APPARATUS INCLUDING THE SAME	11/785876	4/20/2007

K&L Ref. No.	TITLE	Application No.	Application Date
3712174-02309	LIQUID CRYSTAL PANEL HAVING FIRST AND SECOND TRANSISTORS ON THE SAME SIDE WITH RESPECT TO A DRAIN LINE	11/820626	6/20/2007
3712174-02312	LIQUID CRYSTAL DISPLAY DEVICE THAT INCLUDES BOTH A TRANSMISSIVE PORTION AND A REFLECTIVE PORTION	11/902036	9/18/2007
3712174-02314	ELECTROOPTIC DEVICE	11/979520	11/5/2007
3712174-02315	LIQUID CRYSTAL PANEL AND PROJECTION LIQUID CRYSTAL DISPLAY APPARATUS HAVING PARTICULAR LIGHT-SHIELDING FILM	12/010834	1/30/2008
3712174-02303	LIQUID CRYSTAL DISPLAY AND MANUFACTURING METHOD THEREFOR	11/797769	5/7/2007
3712174-02308	ELECTROOPTIC DEVICE, METHOD FOR MANUFACTURING THE SAME, AND ELECTRONIC DEVICE	11/749792	5/17/2007
3712174-02313	ELECTRO-OPTICAL DEVICE, SCAN LINE DRIVING CIRCUIT, AND ELECTRONIC APPARATUS	11/976175	10/22/2007
3712174-02316	LIQUID CRYSTAL DEVICE, METHOD OF MANUFACTURING LIQUID CRYSTAL DEVICE, AND ELECTRONIC APPARATUS	12/003020	12/19/2007
3712174-02317	INPUT DEVICE, AND ELECTRO-OPTICAL DEVICE	12/044585	3/7/2008
3712174-02318	INPUT DEVICE, DISPLAY DEVICE WITH INPUT FUNCTION, AND ELECTRONIC APPARATUS	12/193795	8/19/2008
3712174-02319	TOUCH PANEL, DISPLAY DEVICE WITH INPUT FUNCTION, AND ELECTRONIC APPARATUS	12/193809	8/19/2008
3712174-02320	LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC APPARATUS	12/393635	2/26/2009
3712174-02321	MOUNTING STRUCTURE, ELECTRO-OPTICAL DEVICE, AND ELECTRONIC APPARATUS	12/400076	3/9/2009
3712174-02322	DISPLAY DEVICE	12/363205	1/30/2009
3712174-02323	ELECTRICAL CAPACITANCE INPUT DEVICE, DISPLAY APPARATUS WITH INPUT FUNCTION	12/391322	2/24/2009