

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
EPSON IMAGING DEVICES CORPORATION		05/28/2010
RECEIVING PARTY DATA		
Name:	SONY CORPORATION	
Street Address:	1-7-1 KONAN, MINATO-KU	
City:	TOKYO	
State/Country:	JAPAN	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16521228	
CORRESPONDENCE DATA		
Fax Number:	(312)827-8185	
<i>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.</i>		
Phone:	312-781-6017	
Email:	chicago.patents@klgates.com	
Correspondent Name:	NOLAN R. HUBBARD, K&L GATES LLP	
Address Line 1:	P.O. BOX 1135	
Address Line 4:	CHICAGO, ILLINOIS 60690-1135	
ATTORNEY DOCKET NUMBER:	3724078.04196	
NAME OF SUBMITTER:	NOLAN R. HUBBARD	
SIGNATURE:	/Nolan R. Hubbard/	
DATE SIGNED:	07/30/2019	
Total Attachments: 11		
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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: (Signature)
Name: HIDEHIKO SEKI
Title: PRESIDENT

May 28, 2010

Address: 3-101 Minami-Yoshikata,
Tottori-shi, Tottori, Japan

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

(Signature)

May 28, 2010

LIST OF APPLICATIONS

K&L Ref. No.	TITLE	Application No.	Application Date
3712174-02059	LIQUID CRYSTAL DISPLAY PANEL	11/287210	11/28/2005
3712174-02060	IMAGE PROCESSING UNIT, IMAGE PROCESSING METHOD, IMAGE DISPLAY DEVICE USING SUCH IMAGE PROCESSING UNIT, AND ELECTRONIC APPARATUS USING SUCH IMAGE DISPLAY DEVICE	11/353090	2/14/2006
3712174-02061	LIQUID CRYSTAL DISPLAY DEVICE	11/362219	2/27/2006
3712174-02062	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS HAVING THE SAME	11/355955	2/17/2006
3712174-02063	DISPLAY AND PORTABLE DEVICE	11/316991	12/27/2005
3712174-02064	DISPLAY AND PORTABLE DEVICE	11/882496	8/2/2007
3712174-02065	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/324561	1/4/2006
3712174-02066	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/348789	2/7/2006
3712174-02067	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/438156	5/22/2006
3712174-02068	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/324342	1/4/2006
3712174-02069	LIQUID CRYSTAL DEVICE AND ELECTRONIC EQUIPMENT	11/324347	1/4/2006
3712174-02070	DRIVING CIRCUIT FOR LIQUID CRYSTAL DISPLAY DEVICE, LIQUID CRYSTAL DISPLAY DEVICE, METHOD OF DRIVING LIQUID CRYSTAL DISPLAY DEVICE, AND ELECTRONIC APPARATUS	11/399673	4/6/2006
3712174-02071	DISPLAY	11/387792	3/24/2006
3712174-02072	ELECTRO-OPTICAL DEVICE PRODUCING WIDER REPRODUCIBLE COLOR RANGE HAVING COMPLEMENTARY COLOR SUB-PIXEL IN TRANSMISSION REGION AND NO REFLECTION REGION AMONG SUB-PIXLES FORMING THREE PRIMARY-COLOR FILTER SYSTEM	11/436620	5/19/2006
3712174-02073	ELECTRO-OPTICAL DEVICE HAVING THREE SUB-PIXELS WITH THREE COLORS IN EACH OF TRANSMITTING AND REFLECTING DISPLAY REGIONS WITH ONE FURTHER SUB-PIXEL IN TRANSMITTING DISPLAY REGION HAVING DIFFERENT COLOR BUT SAME AREA AS THE THREE COLOR SUB-PIXELS	11/436625	5/19/2006

K&L Ref. No.	TITLE	Application No.	Application Date
3712174-02074	LIQUID CRYSTAL DEVICE, METHOD OF MANUFACTURING LIQUID CRYSTAL DEVICE, AND ELECTRONIC APPARATUS	12/363068	1/30/2009
3712174-02075	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	11/456125	7/7/2006
3712174-02076	ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING THE SAME, AND ELECTRONIC APPARATUS	12/379035	2/11/2009
3712174-02077	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	11/492014	7/25/2006
3712174-02078	SEMI-TRANSMISSIVE LIQUID CRYSTAL DISPLAY DEVICE	11/492088	7/25/2006
3712174-02079	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/496433	8/1/2006
3712174-02080	LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME	11/519032	9/12/2006
3712174-02081	LIQUID CRYSTAL DISPLAY DEVICE	11/523629	9/20/2006
3712174-02082	LIQUID CRYSTAL DISPLAY DEVICE	11/510557	8/28/2006
3712174-02083	ELECTRO-OPTICAL DEVICE, ELECTRONIC APPARATUS, AND INTERFACE BOARD	11/515929	9/6/2006
3712174-02084	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	11/514210	9/1/2006
3712174-02085	LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC APPARATUS	11/484560	7/12/2006
3712174-02086	LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC APPARATUS	11/485382	7/13/2006
3712174-02087	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/524255	9/21/2006
3712174-02088	SEMI-TRANSMISSIVE LIQUID CRYSTAL DISPLAY PANEL	11/524955	9/22/2006
3712174-02089	LIQUID CRYSTAL DEVICE, LIGHT EMITTING DEVICE, ELECTRONIC APPARATUS, METHOD OF CONTROLLING LIQUID CRYSTAL DEVICE, AND METHOD OF CONTROLLING LIGHT EMITTING DEVICE	11/514176	9/1/2006
3712174-02090	ELECTRO-OPTICAL DEVICE, ELECTRONIC APPARATUS, PROTECTIVE MEMBER, AND METHOD OF MANUFACTURING PROTECTIVE MEMBER	11/533926	9/21/2006
3712174-02091	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/532629	9/18/2006
3712174-02092	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	11/460083	7/26/2006
3712174-02093	SEMI-TRANSMISSIVE LIQUID CRYSTAL DISPLAY PANEL	11/529264	9/29/2006

K&L Ref. No.	TITLE	Application No.	Application Date
3712174-02094	LIQUID CRYSTAL DISPLAY DEVICE	11/528421	9/28/2006
3712174-02095	LIQUID CRYSTAL DEVICE AND PROJECTION DISPLAY DEVICE WITH OPTICAL-AXIS-ADJUSTING UNIT FOR OPTICAL COMPENSATOR	11/609419	12/12/2006
3712174-02096	IMAGE DISPLAY AND ELECTRONIC DEVICE	11/620257	1/5/2007
3712174-02097	LIQUID CRYSTAL DISPLAY PANEL HAVING PARTICULAR PROTRUSION AND LIGHT BLOCKING FILM FEATURES	11/655234	1/19/2007
3712174-02098	ELECTRO-OPTICAL DEVICE, LIGHT RECEIVING DEVICE, AND ELECTRONIC APPARATUS	11/704196	2/9/2007
3712174-02099	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/653834	1/17/2007
3712174-02100	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	11/708534	2/21/2007
3712174-02101	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	12/314658	12/15/2008
3712174-02102	LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC APPARATUS	11/650998	1/9/2007
3712174-02103	SEMICONDUCTOR DEVICE	11/657008	1/24/2007
3712174-02104	DISPLAY DEVICE	11/651464	1/10/2007
3712174-02105	LIQUID CRYSTAL DISPLAY DEVICE	11/727146	3/23/2007
3712174-02106	DISPLAY DEVICE	11/727145	3/23/2007
3712174-02107	FFS MODE LIQUID CRYSTAL DISPLAY PANEL	11/727005	3/23/2007
3712174-02108	LIQUID CRYSTAL DISPLAY DEVICE COMPRISING A FIRST ELECTRODE IN CONTACT WITH A BOTTOM SURFACE AND A SECOND ELECTRODE IN CONTACT WITH A TOP SURFACE OF A SINGLE LAYER INSULATING FILM COMPRISING CONCAVE AND CONVEX PORTIONS	11/699031	1/29/2007
3712174-02109	DISPLAY	11/701498	2/2/2007
3712174-02110	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	11/730287	3/30/2007
3712174-02111	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/704197	2/9/2007
3712174-02112	LIQUID CRYSTAL DISPLAY DEVICE AND MANUFACTURING METHOD THEREOF	11/802800	5/25/2007
3712174-02113	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	11/785219	4/16/2007
3712174-02114	ELECTRO-OPTICAL DEVICE, METHOD FOR MANUFACTURING ELECTRO-OPTICAL DEVICE, AND ELECTRONIC APPARATUS	11/741180	4/27/2007

K&L Ref. No.	TITLE	Application No.	Application Date
3712174-02115	REFLECTIVE BILATERAL LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/696415	4/4/2007
3712174-02116	LIGHT EMITTING DEVICE AND LIQUID CRYSTAL DEVICE	11/733338	4/10/2007
3712174-02117	ELECTRONIC CIRCUIT, ELECTRO-OPTICAL DEVICE, AND ELECTRONIC APPARATUS INCLUDING THE SAME	11/785863	4/20/2007
3712174-02118	LIQUID CRYSTAL DISPLAY PANEL	11/808816	6/13/2007
3712174-02119	LIQUID CRYSTAL DISPLAY PANEL	11/808965	6/14/2007
3712174-02120	DISPLAY APPARATUS	11/812118	6/15/2007
3712174-02121	LIQUID CRYSTAL DEVICE, METHOD OF DRIVING LIQUID CRYSTAL DEVICE, AND ELECTRONIC APPARATUS	11/812348	6/18/2007
3712174-02122	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	12/145944	6/25/2008
3712174-02123	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	11/812502	6/19/2007
3712174-02124	PHOTORECEPTOR DEVICE, LIQUID CRYSTAL APPARATUS, AND ELECTRONIC APPARATUS	11/790408	4/25/2007
3712174-02125	TRANSVERSE FIELD TYPE LIQUID CRYSTAL DISPLAY PANEL	11/835734	8/8/2007
3712174-02126	LIQUID CRYSTAL DISPLAY DEVICE	11/775520	7/10/2007
3712174-02127	LIQUID CRYSTAL DISPLAY PANEL	11/898549	9/13/2007
3712174-02128	ELECTRO-OPTICAL DEVICE, DRIVING CIRCUIT, AND ELECTRONIC APPARATUS	11/882847	8/6/2007
3712174-02129	ILLUMINATION SYSTEM, LIQUID CRYSTAL DEVICE, AND ELECTRONIC DEVICE	11/831553	7/31/2007
3712174-02130	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	11/836525	8/9/2007
3712174-02131	LIQUID CRYSTAL DISPLAY DEVICE	11/878579	7/25/2007
3712174-02132	LIQUID CRYSTAL DISPLAY DEVICE	11/708681	2/21/2007
3712174-02133	ELECTROOPTIC DEVICE, DRIVING CIRCUIT, AND ELECTRONIC DEVICE	11/882831	8/6/2007
3712174-02134	ELECTROOPTIC DEVICE, DRIVING CIRCUIT, AND ELECTRONIC DEVICE	11/882950	8/7/2007
3712174-02135	A SUBSTRATE WITH HELICALLY CURVED TERMINALS SUPERIMPOSED AND CONNECTED TO IDENTICAL TERMINALS ON A SECOND SUBSTRATE	11/837441	8/10/2007
3712174-02136	LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC APPARATUS FOR THE REDUCTION OF COLOR IN A WHITE DISPLAY	11/896582	9/4/2007
3712174-02137	LIQUID CRYSTAL DISPLAY DEVICE	11/902689	9/25/2007

K&L Ref. No.	TITLE	Application No.	Application Date
3712174-02138	PHOTODETECTOR, ELECTRO-OPTICAL DEVICE, AND ELECTRONIC APPARATUS HAVING A DIFFERENTIAL CURRENT DETECTION CIRCUIT	11/882906	8/7/2007
3712174-02139	LIQUID CRYSTAL DISPLAY DEVICE	11/976392	10/24/2007
3712174-02140	ACTIVE MATRIX LIQUID CRYSTAL DISPLAY DEVICE	11/976391	10/24/2007
3712174-02141	ELECTRO-OPTICAL DEVICE, DRIVING CIRCUIT AND ELECTRONIC APPARATUS	11/882904	8/7/2007
3712174-02142	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/925372	10/26/2007
3712174-02143	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	11/933573	11/1/2007
3712174-02144	ELECTRO-OPTICAL DEVICE, ILLUMINATION DEVICE, ELECTRONIC APPARATUS, AND PRODUCTION METHOD OF ELECTRO-OPTICAL DEVICE	11/856295	9/17/2007
3712174-02145	LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME	11/998955	12/3/2007
3712174-02146	DISPLAY APPARATUS	11/974027	10/11/2007
3712174-02147	LIQUID CRYSTAL DISPLAY DEVICE	12/000075	12/7/2007
3712174-02148	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/987102	11/27/2007
3712174-02149	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	12/003722	12/31/2007
3712174-02150	LIQUID CRYSTAL DISPLAY DEVICE AND METHOD OF MANUFACTURING THE SAME	12/009785	1/22/2008
3712174-02151	ELECTRO-OPTIC DEVICE AND ELECTRONIC APPARATUS	11/941687	11/16/2007
3712174-02152	DISPLAY DEVICE	12/075062	3/6/2008
3712174-02153	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	12/043653	3/6/2008
3712174-02154	DISPLAY DEVICE	12/008822	1/14/2008
3712174-02155	LIQUID CRYSTAL DEVICE	12/000175	12/10/2007
3712174-02156	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/987368	11/29/2007
3712174-02157	LIQUID CRYSTAL DISPLAY DEVICE	12/010843	1/30/2008
3712174-02158	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/984971	11/26/2007
3712174-02159	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/976994	10/30/2007
3712174-02160	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/979001	10/30/2007
3712174-02161	DISPLAY DEVICE	12/008676	1/11/2008

K&L Ref. No.	TITLE	Application No.	Application Date
3712174-02162	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	12/046898	3/12/2008
3712174-02163	LIQUID CRYSTAL APPARATUS, COLOR FILTER SUBSTRATE, AND ELECTRONIC APPARATUS	11/953251	12/10/2007
3712174-02164	ELECTRO-OPTICAL DEVICE, SEMICONDUCTOR DEVICE, DISPLAY DEVICE, AND ELECTRONIC APPARATUS HAVING THE SAME	12/010822	1/30/2008
3712174-02165	LIQUID CRYSTAL DISPLAY	12/098811	4/7/2008
3712174-02166	DISPLAY DEVICE AND ELECTRONIC APPARATUS INCLUDING DISPLAY DEVICE	12/117265	5/8/2008
3712174-02167	DISPLAY DEVICE HAVING PAIR OF GLASS SUBSTRATES AND METHOD FOR CUTTING IT	12/104686	4/17/2008
3712174-02168	LIQUID CRYSTAL DISPLAY, ELECTRONIC DEVICE, AND METHOD FOR CONTROLLING BRIGHTNESS OF ILLUMINATION UNIT OF LIQUID CRYSTAL DISPLAY	12/127863	5/28/2008
3712174-02169	ELECTRO-OPTICAL DEVICE AND ELECTRONIC APPARATUS	12/104509	4/17/2008
3712174-02170	CAPACITIVE INPUT DEVICE	12/057865	3/28/2008
3712174-02171	LIQUID CRYSTAL DISPLAY PANEL AND MANUFACTURING METHOD THEREOF	12/179773	7/25/2008
3712174-02172	LIQUID CRYSTAL DISPLAY PANEL, ELECTRONIC APPARATUS EQUIPPED WITH THE SAME, AND METHOD FOR MANUFACTURING LIQUID CRYSTAL DISPLAY PANEL	12/190320	8/12/2008
3712174-02173	LIQUID-CRYSTAL DISPLAY	12/143122	6/20/2008
3712174-02174	HORIZONTAL ELECTRIC FIELD-TYPE LIQUID CRYSTAL DISPLAY PANEL	12/103156	4/15/2008
3712174-02175	TRANSFLECTIVE LIQUID CRYSTAL DISPLAY PANEL AND ELECTRONIC APPARATUS	12/211499	9/16/2008
3712174-02176	TRANSFLECTIVE LIQUID CRYSTAL DISPLAY PANEL AND ELECTRONIC APPARATUS	12/191341	8/14/2008
3712174-02177	LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC APPARATUS	12/197599	8/25/2008
3712174-02178	LIQUID CRYSTAL DISPLAY DEVICE, METHOD FOR PRODUCING SAME, AND ELECTRONIC APPARATUS	12/179168	7/24/2008
3712174-02179	LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC APPARATUS	12/237135	9/24/2008
3712174-02180	DISPLAY UNIT	12/192157	8/15/2008
3712174-02181	LIQUID CRYSTAL DISPLAY DEVICE	12/208810	9/11/2008
3712174-02182	LIQUID CRYSTAL DISPLAY DEVICE	12/256923	10/23/2008

K&L Ref. No.	TITLE	Application No.	Application Date
3712174-02183	DISPLAY DEVICE AND ELECTRONIC APPARATUS	12/136237	6/10/2008
3712174-02184	LIQUID CRYSTAL DISPLAY DEVICE AND MANUFACTURING METHOD OF THE LIQUID CRYSTAL DISPLAY DEVICE	12/258804	10/27/2008
3712174-02185	ELECTROOPTICAL APPARATUS, ELECTRONIC DEVICE, AND APPARATUS AND METHOD FOR DETECTING OUTSIDE LIGHT	12/260487	10/29/2008
3712174-02186	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	12/397408	3/4/2009
3712174-02187	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	12/349250	1/6/2009
3712174-02188	LIQUID CRYSTAL DISPLAY DEVICE AND PROCESS FOR MANUFACTURING THE SAME	12/345224	12/29/2008
3712174-02189	LIQUID CRYSTAL APPARATUS AND ELECTRONIC APPARATUS	12/338290	12/18/2008
3712174-02190	LIQUID CRYSTAL DISPLAY PANEL	12/332790	12/11/2008
3712174-02191	LIQUID CRYSTAL DEVICE, METHOD OF MANUFACTURING LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	12/336015	12/16/2008
3712174-02192	DISPLAY DEVICE	12/330881	12/9/2008
3712174-02193	LIQUID CRYSTAL DISPLAY APPARATUS	12/361597	1/29/2009
3712174-02194	LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC APPARATUS	12/362516	1/30/2009
3712174-02195	DISPLAY DEVICE	12/396620	3/3/2009
3712174-02196	ELECTRO-OPTICAL DEVICE, INPUT DEVICE, AND ELECTRONIC APPARATUS	12/420075	4/8/2009
3712174-02197	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	12/405632	3/17/2009
3712174-02198	LIQUID CRYSTAL DEVICE	12/369830	2/12/2009
3712174-02199	OPTICAL DETECTION DEVICE, ELECTRO-OPTICAL DEVICE, ELECTRONIC APPARATUS, AND OPTICAL DEGRADATION CORRECTION METHOD	12/395772	3/2/2009
3712174-02200	ELECTRO-OPTIC APPARATUS AND ELECTRONIC INSTRUMENT	12/405471	3/17/2009
3712174-02201	ELECTRO-OPTICAL DEVICE	12/428909	4/23/2009
3712174-02202	ELECTRO-OPTICAL DEVICE	12/428783	4/23/2009
3712174-02203	LIQUID CRYSTAL DISPLAY PANEL AND METHOD FOR MANUFACTURING THE SAME	12/431197	4/28/2009
3712174-02204	LIQUID CRYSTAL DISPLAY DEVICE	12/423336	4/14/2009
3712174-02205	LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC APPARATUS	12/424657	4/16/2009

K&L Ref. No.	TITLE	Application No.	Application Date
3712171-02206	PHOTODETECTOR, ELECTRO-OPTICAL DEVICE, AND ELECTRONIC APPARATUS	12/481160	6/9/2009
3712174-02207	CAPACITANCE TYPE INPUT DEVICE AND DISPLAY DEVICE WITH INPUT FUNCTION	12/417157	4/2/2009
3712174-02208	INPUT DEVICE AND DISPLAY DEVICE WITH INPUT FUNCTION	12/414726	3/31/2009
3712174-02209	DISPLAY PANEL AND MANUFACTURING METHOD THEREOF	12/473494	5/28/2009
3712174-02210	LIQUID CRYSTAL DISPLAY PANEL	12/472946	5/27/2009
3712174-02211	LIQUID CRYSTAL DISPLAY PANEL	12/468515	5/19/2009
3712174-02247	LIQUID CRYSTAL DEVICE AND ELECTRONIC APPARATUS	11/437799	5/22/2006
3712174-02248	TRANSFLECTIVE DISPLAY DEVICE HAVING THREE PRIMARY COLOR FILTERS AND AN ADDITIONAL COLOR FILTER FROM A COMPLEMENTARY COLOR SYSTEM	11/436760	5/19/2006
3712174-02249	ELECTRO-OPTICAL APPARATUS, METHOD FOR MANUFACTURING ELECTRO-OPTICAL APPARATUS, AND ELECTRONIC DEVICE	11/621242	1/9/2007
3712174-02250	TOUCH PANEL, ELECTROOPTICAL DEVICE, AND ELECTRONIC APPARATUS	11/625415	1/22/2007
3712174-02251	LIQUID CRYSTAL DISPLAY	11/730257	3/30/2007
3712174-02252	LIQUID CRYSTAL DISPLAY DEVICE, METHODS FOR MANUFACTURING THE SAME, AND ELECTRONIC APPARATUS	11/657037	1/24/2007
3712174-02253	ELECTROOPTIC DEVICE AND ELECTRONIC DEVICE	11/714740	3/7/2007
3712174-02254	LIQUID CRYSTAL DEVICE, METHOD FOR MANUFACTURING THE SAME, AND ELECTRONIC APPARATUS	11/882834	8/6/2007
3712174-02255	LIQUID CRYSTAL DISPLAY DEVICE	11/902032	9/18/2007
3712174-02256	LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC APPARATUS	12/003048	12/19/2007
3712174-02257	LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC APPARATUS	12/107210	4/22/2008
3712174-02258	ELECTRO-OPTICAL DEVICE, SEMICONDUCTOR DEVICE, DISPLAY DEVICE, AND ELECTRONIC APPARATUS HAVING THE DISPLAY DEVICE	12/010844	1/30/2008
3712174-02259	ELECTRO-OPTIC DEVICE	12/057365	3/27/2008
3712174-02260	ELECTRO-OPTICAL DEVICE, DRIVING CIRCUIT, AND ELECTRONIC APPARATUS	12/107512	4/22/2008
3712174-02261	LIQUID CRYSTAL DISPLAY DEVICE	12/181877	7/29/2008

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3712174-02262	ELECTRO OPTICAL DEVICE AND ELECTRONIC APPARATUS	12/186196	8/5/2008