

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SONY CORPORATION	05/08/2015
RECEIVING PARTY DATA	
Name:	JOLED INC.
Street Address:	10F, 3-23, KANDANISHIKICHO, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	101-0054
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15221204
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NAME OF SUBMITTER:	JEFFREY M. INGALLS
SIGNATURE:	/jeffrey m. ingalls/
DATE SIGNED:	09/26/2016
Total Attachments: 4	
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ASSIGNMENT

WHEREAS, the undersigned, to wit: SONY 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, JOLED INC. (hereinafter "ASSIGNEE"), having its principal office and place of business at 10F, 3-23, Kandanishikicho, Chiyoda-ku, Tokyo, 101-0054, 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.

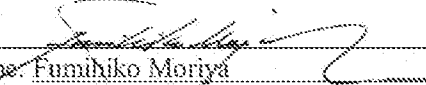
ASSIGNOR furthermore agrees upon request of said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, to execute any and all papers desired by said ASSIGNEE, its successors, assigns and legal representatives, for the filing and granting of foreign applications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

Signature

Date Signed

SONY CORPORATION

May 8, 2015

By: 

Name: Fumihiko Moriya

Title: VP, Senior General Manager, Intellectual Property Division

Address: 1-7-1 Konan, Minato-ku,
Tokyo 108-0075, Japan

List of Applications

K&L Ref. No.	Application No.	Filing Date	Title
3712174-01255	12/042842	03/05/2008	DISPLAY DEVICE, METHOD FOR DRIVING DISPLAY DEVICE, AND ELECTRONIC APPARATUS
3712174-01789	12/617334	11/12/2009	METHOD FOR MANUFACTURING DISPLAY, AND DISPLAY
3712174-03637	14/163716	01/24/2014	DISPLAY DEVICE AND CONTROL METHOD
3712174-02402	12/941449	11/08/2010	DISPLAY, METHOD OF MANUFACTURING DISPLAY AND ELECTRONIC DEVICE
3712174-03642	14/154966	01/14/2014	THIN FILM TRANSISTOR, METHOD OF MANUFACTURING THE SAME, AND DISPLAY UNIT
3712174-02508	13/053997	03/22/2011	THIN-FILM TRANSISTOR, METHOD OF MANUFACTURING THE SAME, AND DISPLAY DEVICE
3712174-03180	13/566113	08/03/2012	DISPLAY AND METHOD OF MANUFACTURING THE SAME
3712174-03339	14/346922	03/24/2014	DISPLAY UNIT AND ELECTRONIC APPARATUS
3712174-03824	14/533823	11/05/2014	DISPLAY DEVICE, METHOD OF MANUFACTURING THE SAME, AND ELECTRONIC UNIT
3712174-03383	13/753055	01/29/2013	DISPLAY APPARATUS AND METHOD FOR MANUFACTURING DISPLAY APPARATUS
3712174-03287	13/722339	12/20/2012	DISPLAY AND ELECTRONIC UNIT
3712174-03770	14/394695	10/15/2014	ORGANIC ELECTROLUMINESCENCE UNIT, METHOD OF MANUFACTURING ORGANIC ELECTROLUMINESCENCE UNIT, AND ELECTRONIC APPARATUS
3712174-03394	13/718643	12/18/2012	DISPLAY AND METHOD OF MANUFACTURING THE SAME, UNIT, TRANSFER PRINTING METHOD, ORGANIC ELECTROLUMINESCENCE UNIT AND METHOD OF MANUFACTURING THE SAME, AND ELECTRONIC APPARATUS
3712174-03388	13/784258	03/04/2013	ORGANIC ELECTROLUMINESCENCE DISPLAY UNIT, METHOD OF MANUFACTURING ORGANIC ELECTROLUMINESCENCE DISPLAY UNIT, AND COLOR FILTER SUBSTRATE
3712174-03411	13/770187	02/19/2013	OFFSET PRINTING BLANKET CLEANING LIQUID, METHOD OF CLEANING OFFSET PRINTING BLANKET, METHOD OF MANUFACTURING DISPLAY UNIT, METHOD OF MANUFACTURING PRINTED MATERIAL, AND INK COMPOSITION AND PRINTING METHOD USING THE SAME
3712174-03826	14/527137	10/29/2014	SEMICONDUCTOR DEVICE AND ELECTRONIC APPARATUS
3712174-03825	14/530943	11/03/2014	TRANSISTOR, METHOD OF MANUFACTURING THE TRANSISTOR, SEMICONDUCTOR UNIT, METHOD OF MANUFACTURING THE SEMICONDUCTOR UNIT, DISPLAY, AND ELECTRONIC APPARATUS
3712174-03765	14/395676	10/20/2014	SEMICONDUCTOR DEVICE, DISPLAY, AND METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE
3712174-03446	13/849978	03/25/2013	THIN FILM TRANSISTOR, METHOD OF MANUFACTURING THE SAME, DISPLAY UNIT, AND ELECTRONIC APPARATUS
3712174-03807	14/402261	11/19/2014	ORGANIC ELECTROLUMINESCENCE UNIT, METHOD OF MANUFACTURING THE SAME, AND ELECTRONIC APPARATUS
3712174-03786	14/400235	11/10/2014	DISPLAY DEVICE, MANUFACTURING METHOD OF DISPLAY DEVICE, AND ELECTRONIC APPARATUS
3712174-03616	14/165014	01/27/2014	DISPLAY DEVICE, METHOD FOR MANUFACTURING THE SAME, AND ELECTRONIC DEVICE

X&L Ref. No.	Application No.	Filing Date	Title
3712174-03610	14/186170	02/21/2014	SEMICONDUCTOR DEVICE, METHOD OF MANUFACTURING THE SAME, METHOD OF MANUFACTURING DISPLAY UNIT, AND METHOD OF MANUFACTURING ELECTRONIC APPARATUS
3712174-03606	14/186125	02/21/2014	DISPLAY, DISPLAY DRIVE METHOD, METHOD OF MANUFACTURING DISPLAY, AND ELECTRONIC APPARATUS
3712174-03667	14/290203	05/29/2014	DISPLAY UNIT AND ELECTRONIC APPARATUS
3712174-03665	14/278757	05/15/2014	LIGHT EMITTING ELEMENT, DISPLAY APPARATUS, AND LIGHTING APPARATUS
3712174-03601	14/218498	03/18/2014	DISPLAY UNIT, MANUFACTURING METHOD THEREOF, AND ELECTRONIC APPARATUS
3712174-03599	14/218466	03/18/2014	ORGANIC EL DISPLAY AND ELECTRONIC APPARATUS
3712174-03598	14/218420	03/18/2014	SEMICONDUCTOR DEVICE, DISPLAY UNIT, AND ELECTRONIC APPARATUS
3712174-03597	14/202852	03/10/2014	SEMICONDUCTOR DEVICE, DISPLAY UNIT, AND ELECTRONIC APPARATUS
3712174-03703	14/321178	07/01/2014	DISPLAY UNIT, METHOD OF MANUFACTURING DISPLAY UNIT, AND ELECTRONIC APPARATUS
3712174-03659	14/286230	05/23/2014	BLANKET, PRINTING PROCESS, AND A METHOD OF MANUFACTURING DISPLAY UNIT AND ELECTRONIC APPARATUS
3712174-03658	14/271043	05/06/2014	LIGHT EMITTING DEVICE, METHOD OF MANUFACTURING THE LIGHT EMITTING DEVICE, AND DISPLAY UNIT
3712174-03698	14/312126	06/23/2014	SEMICONDUCTOR DEVICE, METHOD OF MANUFACTURING THE SAME, DISPLAY UNIT, AND ELECTRONIC APPARATUS
3712174-03609	14/176656	02/10/2014	DISPLAY, METHOD OF MANUFACTURING DISPLAY, METHOD OF DRIVING DISPLAY, AND ELECTRONIC APPARATUS
3712174-03651	14/273847	05/09/2014	THIN-FILM TRANSISTOR, DISPLAY UNIT, AND ELECTRONIC APPARATUS
3712174-03771	14/498349	09/26/2014	DISPLAY APPARATUS
3712174-03395	13/738540	01/10/2013	THIN-FILM TRANSISTOR, METHOD OF MANUFACTURING THE SAME, DISPLAY UNIT, AND ELECTRONIC APPARATUS