

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MASAHIDE KOBAYASHI	10/07/2015
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14821175
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<b>NAME OF SUBMITTER:</b>	TERESA A. LAVENUE
<b>SIGNATURE:</b>	/Teresa A. Lavenue/
<b>DATE SIGNED:</b>	10/09/2015
<b>Total Attachments: 1</b>	



**ASSIGNMENT**

WHEREAS I, the below named inventor [hereinafter referred to as Assignor], have made an invention entitled:

**LIQUID CRYSTAL COMPOUND HAVING BUTENE-BONDING GROUP, LIQUID  
CRYSTAL COMPOSITION AND LIQUID CRYSTAL DISPLAY DEVICE**

for which an application for United States Letters Patent is filed herewith or an application for United States Letters Patent was filed as U.S. NonProvisional Application No. 14/821,175 filed August 7, 2015.

AND WHEREAS, JNC CORPORATION a corporation of JAPAN, whose post office address is 2-1 Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8105 JAPAN, and JNC PETROCHEMICAL CORPORATION a corporation JAPAN, whose post office address is 2-1 Otemachi 2-chome, Chiyoda-ku, Tokyo 100-0004 JAPAN, [hereinafter referred to as Assignee], is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW, THEREFORE, be it known that, for and in consideration paid and other good and valuable consideration the receipt of which from assignee, is hereby acknowledged, I, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, My entire right, title and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND I HEREBY further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by assignees, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto setmy hand.

Masahide KOBAYASHI

Full Name of First Inventor

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Assignor's Signature

October 7, 2015

Date

Names of Additional Inventors' Signatures Attached [ ] Yes [X] No