

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JOJI KAWAMURA | 09/20/2015 |
| MAKOTO NEGISHI | 08/25/2015 |
| YOSHINORI IWASHITA | 08/28/2015 |
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| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14771591 |
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| DATE SIGNED: | 10/30/2015 |
| This document serves as an Oath/Declaration (37 CFR 1.63). | |
| Total Attachments: 2 | |
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| source=150739_Dec-Asn_10-30-2015#page2.tif | |

Combined Declaration and Assignment for Utility and Design Patent Applications

DECLARATION

As a below named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

Insert Title:

**LIQUID CRYSTAL COMPOSITION AND LIQUID CRYSTAL DISPLAY ELEMENT
MANUFACTURED USING SAME**

the application of which is attached hereto unless the following is checked

was filed on _____ as United States Application Number _____ and was filed on **March 1, 2013** as PCT International Application Number **PCT/JP2013/055649** and was amended on _____ (if applicable).

The above-identified application was made or authorized to be made by me.

I hereby acknowledge that any willful false statement made in this declaration is punishable under section 1001 of title 18 by fine or imprisonment of not more than 5 years, or both.

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the adequacy and receipt of which is hereby acknowledged by the undersigned inventor(s) (hereinafter ASSIGNOR) by

Insert Assignee(s)
Name/Address:

**DIC Corporation
35-58, Sakashita 3-chome, Itabashi-ku, Tokyo 174-8520 JAPAN**

(hereinafter ASSIGNEE), the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the above-identified application (e.g., provisional or non-provisional) and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

The ASSIGNOR sells, assigns and transfers to said ASSIGNEE the entire and exclusive right, title and interest to the application(s) and the invention(s) disclosed therein for the United States of America and all countries foreign to the United States and do hereby authorize said ASSIGNEE to apply for patents therefore in its own name in countries where such procedure is proper and to claim the priority right under the International Convention and agrees to execute all papers necessary in connection with applications for such patents and any continuation, divisional, substitute, reissue or reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof and also execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

Hereby executed by the undersigned on the date opposite the undersigned name:

Legal Name of inventor Joji Kawamura Date: Sep. 20, 2015

Inventor's Signature Joji Kawamura

Legal Name of inventor Makoto Negishi Date: Aug. 25, 2015

Inventor's Signature Makoto Negishi

Legal Name of inventor Yoshinori Iwashita Date: Aug. 28, 2015

Inventor's Signature Yoshinori Iwashita