

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>YASUHIRO HASEBA</td> <td>11/22/2011</td> </tr> <tr> <td>TAKAFUMI KUNINOBU</td> <td>11/22/2011</td> </tr> </tbody> </table>		Name	Execution Date	YASUHIRO HASEBA	11/22/2011	TAKAFUMI KUNINOBU	11/22/2011				
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PROPERTY NUMBERS Total: 1											
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Application Number:	13321173										
CORRESPONDENCE DATA											
Fax Number:	(510)580-7280										
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
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ATTORNEY DOCKET NUMBER:	37371-US-1002-PCT										

PATENT

NAME OF SUBMITTER:

Belinda Lee

Total Attachments: 2

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## ASSIGNMENT

WHEREAS,

1. YASUHIRO HASEBA

2. TAKAFUMI KUNINOBU

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: **CHLOROBENZENE DERIVATIVE, OPTICALLY ISOTROPIC LIQUID CRYSTAL MEDIUM, AND OPTICAL DEVICE**

[x] Filed: Nov. 18, 2011

Serial No. 13/321,173

[ ] Executed concurrently with the execution of this instrument

WHEREAS, **1. JNC CORPORATION**

of 2-1, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO 100-8105 JAPAN

**2. JNC PETROCHEMICAL CORPORATION**

2-1, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO 100-0004 JAPAN

hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

## ASSIGNMENT CONTINUED

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Signature: Yasuhiro Haseba  
Sole or First Joint Inventor: YASUHIRO HASEBA

Date: November 22, 2011

Signature: Takafumi Kuninobu  
Second Joint Inventor (if any): TAKAFUMI KUNINOBU

Date: November 22, 2011