

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Takuya NAKAZONO</td> <td>11/01/2010</td> </tr> <tr> <td>Seiji UMEMOTO</td> <td>11/01/2010</td> </tr> <tr> <td>Fumihito SHIMANOE</td> <td>11/01/2010</td> </tr> </tbody> </table>		Name	Execution Date	Takuya NAKAZONO	11/01/2010	Seiji UMEMOTO	11/01/2010	Fumihito SHIMANOE	11/01/2010		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>NITTO DENKO CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>1-1-2, Shimohozumi, Ibaraki-shi</td> </tr> <tr> <td>City:</td> <td>Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>567-8680</td> </tr> </table>		Name:	NITTO DENKO CORPORATION	Street Address:	1-1-2, Shimohozumi, Ibaraki-shi	City:	Osaka	State/Country:	JAPAN	Postal Code:	567-8680
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (703)518-5499  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7036841111        Email: fykim@ipfirm.com        Correspondent Name: LOWE HAUPTMAN HAM &amp; BERNER, LLP        Address Line 1: 1700 DIAGONAL ROAD        Address Line 2: SUITE 300        Address Line 4: ALEXANDRIA, VIRGINIA 22314</p>											
ATTORNEY DOCKET NUMBER:	5070-0008										
NAME OF SUBMITTER:	Yoon S. Ham										
Total Attachments: 1 source=101103_5070-0008_Assignment#page1.tif											

OP \$40.00 12903937

**501340029**

**PATENT**  
**REEL: 025242 FRAME: 0806**

## ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- |                      |   |
|----------------------|---|
| 1) Takuya NAKAZONO   | 2) Seiji UMEMOTO                                      |
| 3) Fumihito SHIMANOE | 4)  |
| 5)                   | 6)  |
| 7)                   | 8)  |
| 9)                   | <input type="checkbox"/> x box if continued on page 2 |

who has made a certain new and useful invention, hereby sells, assigns and transfers unto **NITTO DENKO CORPORATION**, having a place of business at 1-1-2, Shimohozumi, Ibaraki-shi, Osaka 567-8680, JAPAN, its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled:

**INFORMATION STORING, READOUT AND CALCULATION SYSTEM FOR USE IN**  
**A SYSTEM FOR CONTINUOUSLY MANUFACTURING LIQUID-CRYSTAL**  
**DISPLAY ELEMENTS, AND METHOD FOR PRODUCING THE SAME**

- (a) for which an application for United States Letters Patent was filed on October 13, 2010, and identified by United States Patent Application No. 12/903,937; or
- (b) for which an application for United States Letters Patent was executed on \_\_\_\_\_,

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

1) Takuya NAKAZONO  
Name: **Takuya NAKAZONO**

November 1, 2010

Date

2) Seiji Umemoto  
Name: **Seiji UMEMOTO**

November 1, 2010

Date

3) Fumihito SHIMANOE  
Name: **Fumihito SHIMANOE**

November 1, 2010

Date

PATENT