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4-9-07

**1. Name of conveying party(ies)**  
Naoyuki Ochi-3/22/07 Masahiro Hirano-3/22/07  
Toyohumi Asano-3/22/07 Kouta Yoshii-3/23/07  
Masahiro Imaizumi-3/22/07 Sumio Itimura-3/22/07  
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Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: Nippon Kayaku Kabushiki Kaisha  
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City: Chiyoda-ku  
State: Tokyo  
Country: Japan Zip: 1028172  
Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) March 22 and 23, 2007  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

Street Address: 11-2, Fujimi 1-chome  
City: Chiyoda-ku  
State: Tokyo  
Country: Japan Zip: 1028172  
Additional name(s) & address(es) attached?  Yes  No

**4. Application or patent number(s):**  This document is being filed together with a new application.  
A. Patent Application No.(s)  
11/661,796  
Additional numbers attached?  Yes  No

B. Patent No.(s)  
Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Nields & Lemack  
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**6. Total number of applications and patents involved:** 1  
**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**  
a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number 14-0930  
Authorized User Name Kevin S. Lemack

**9. Signature:** [Signature]  
Signature Kevin S. Lemack (441P108)  
Name of Person Signing

April 4, 2007  
Date  
Total number of pages including cover sheet, attachments, and documents: 7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT  
REEL: 019168 FRAME: 0208

# ASSIGNMENT

Serial No. 11/661,796, Filed March 1, 2007  
(based on PCT International Application No. PCT/JP2005/15893 filed August 31, 2005)

WHEREAS, Naoyuki OCHI, a citizen of Japan, of  
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Makiko KOGO, a citizen of Japan, of  
981-18, Oaza Oyaguchi, Minami-ku,  
Saitama-shi, Saitama 3360042 Japan

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in  
"LIQUID CRYSTAL SEALING MATERIAL AND LIQUID CRYSTAL DISPLAY CELL USING SAME" for which an  
application for Letters Patent of the United States of America has been executed by the undersigned

on March 22, 2007 March 23, 2007; and

WHEREAS,

Nippon Kayaku Kabushiki Kaisha  
(a corporation duly organized

and existing under the laws of Japan), of  
11-2, Fujimi 1-chome, Chiyoda-ku,  
Tokyo 1028172 JAPAN

(assignee),

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefore in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefore in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letters Patent(s) 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.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of **Nields & Lemack of 176 East Main Street, Suite 7, Westboro, Massachusetts 01581 U. S. A.** the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date March 22, 2007, Name of Inventor Naoyuki Ochi  
Naoyuki OCHI

Date March 22, 2007, Name of Inventor Toyohumi Asano  
Toyohumi ASANO

Date March 22, 2007, Name of Inventor Masahiro Imaizumi  
Masahiro IMAIZUMI

Date March 22, 2007, Name of Inventor Masaru Kudou  
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Date March 22, 2007, Name of Inventor Eiichi Nishihara  
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Date March 22, 2007, Name of Inventor Masahiro Hirano  
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Date March 23, 2007, Name of Inventor Kouta Yoshii  
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