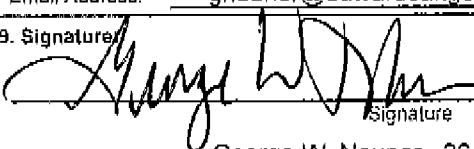


Form PTO-1595 (Rev. 03-05)  
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<b>3. Nature of conveyance/Execution Date(s):</b> Execution Date(s): <u>in parentheses after inventor name</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	<b>4. Application or patent number(s):</b> <input checked="" type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>5,702,642</u> <u>5,709,911</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>George W. Neuner</u> <u>EDWARDS &amp; ANGELL, LLP</u> Internal Address: <u>Atty. Dkt.: 47218 (70840)</u> Street Address: <u>P.O. Box 55874</u>  City: <u>Boston</u> State: <u>MA</u> Zip: <u>02205</u> Phone Number: <u>(617) 439-4444</u> Fax Number: <u>(617) 439-4170</u> Email Address: <u>gneuner@edwardsangell.com</u>	<b>6. Total number of applications and patents involved:</b> <span style="border: 1px solid black; padding: 2px 10px;">2</span>  <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>80.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
<b>8. Payment Information</b> a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>04-1105</u> Authorized User Name <u>George W. Neuner</u>	
<b>9. Signature</b> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">             _____            Signature  <u>George W. Neuner - 26,964</u>            Name of Person Signing         </div> <div style="text-align: right;"> <u>July 29, 2005</u>            Date            Total number of pages including cover sheet, attachments, and documents. <span style="border: 1px solid black; padding: 2px 10px;">2</span> </div> </div>	

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**ASSIGNMENT**

Kanto Kagaku Kabushiki Kaisha, having its principal place of business at 2-8, Nihonbashihoncho, 3-chome, Chuo-ku, Tokyo, Japan (hereinafter called the Assignor), for good and valuable consideration from Sharp Kabushiki Kaisha having its principal place of business at 22-22, Nagaikecho, Abeno-ku, Osaka-shi Osaka 545-8522, Japan (hereinafter called the Assignee), receipt of which is hereby acknowledged,

and having certain rights, title and interest to and in (a) in United States Letters Patent Number 5,702,642 issued December 30, 1997 for "Polymeric Compounds, and Liquid Crystal Element Using the Same", Assignment having been previously recorded on August 9, 1995 at reel 7566 and frame 0765 and (b) in United States Letters Patent Number 5,709,911 issued January 20, 1998 for "Polymerizable Compound and Liquid Crystal Display Device Using the Same", Assignment having been previously recorded on October 2, 1997 at reel 8731 and frame 0941,

does hereby sell, assign and transfer unto Sharp Kabushiki Kaisha for the benefit of its successors and assigns Assignor's entire right, title and interest in and to the above said United States Letters Patent Number 5,702,642 and to said United States Letters Patent Number 5,709,911, including the right to sue for past damages, and in and to all reissue and reexamined patents which have been or shall be issued in the United States based in whole or in part thereon.

Assignor covenants with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreements affecting the rights and property herein conveyed has been made to others by the Assignor, and that full right to convey the same, as herein expressed, is possessed by the Assignor.

The undersigned hereby grants the law firm of Edwards & Angell, LLP, P.O. Box 55874, Boston, MA 02205, 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.

KANTO KAGAKU KABUSHIKI KAISHA

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Date:

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Date:

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