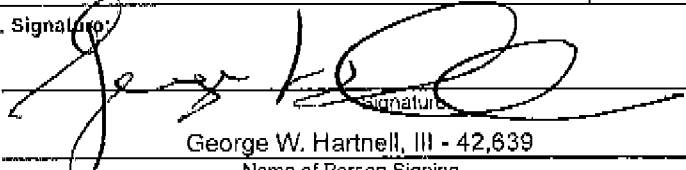


Form PTO-1595 (Rev. 07/05)
 OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office

**RECORDATION FORM COVER SHEET
 PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<p>1. Name of conveying party(ies): Toshio Tahira (05/19/2005), Yasuo Nishi (05/17/2005), Kazuhiro Murata (05/20/2005), and Hiroshi Yokoyama (05/26/2005) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: <u>Sharp Kabushiki Kaisha</u> Internal Address: _____ Street Address: <u>22-22 Nagaike-cho Abeno-ku, Osaka-shi</u> City: <u>Osaka</u> State: _____ Country: <u>JAPAN</u> Zip: <u>545-8522</u> Additional name(s) & address(es) attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>3. Nature of conveyance/Execution Date(s): 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 _____</p>	<p>4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>10/529,076</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address to whom correspondence concerning document should be mailed: Name: <u>EDWARDS & ANGELL, LLP</u> Internal Address: <u>Atty. Dkt.: 63,128 (70904)</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>ghartnell@edwardsangell.com</u></p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</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 fee)</p>
<p>8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>04-1105</u> Authorized User Name <u>George W. Hartnell, III</u></p>	
<p>9. Signature:  _____ Signature George W. Hartnell, III - 42,639 Name of Person Signing Date <u>October 24, 2005</u> Total number of pages including cover sheet, attachments, and documents: 8</p>	

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no (703) 306-6995, on the date shown below.
 Dated: October 24, 2005 Signature:  (Lakeisha Bryant)

CH \$40.00 041105 10529076

RECORDATION FORM COVER SHEET (continued)	
Form PTO-1595	
Additional Conveying Party(ies)/Execution Date(s) (1. Continued):	
Additional Assignees (2. Continued):	
Assignee Name: <u>Konica Minolta Holdings, Inc.</u> Internal Address: Street Address: <u>6-1, Marunouchi 1-chome</u> <u>Chiyoda-ku</u> City: <u>Tokyo</u> State: _____ Country: <u>Japan</u> Zip: <u>100-0005</u>	
Assignee Name: <u>National Institute of Advanced Industrial Science and Technology</u> Internal Address: Street Address: <u>1-3-1 Kasumigaseki</u> <u>Chiyoda-ku</u> City: <u>Tokyo</u> State: _____ Country: <u>JAPAN</u> Zip: <u>100-8921</u>	
Assignee Name: _____ Internal Address: Street Address: City: _____ State: _____ Country: _____ Zip: _____	
Additional Applications and/or Patents (4. Continued):	
Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Docket No. 63,128 (70904)

A S S I G N M E N T

I, Toshio TAHIRA(inventor), for good and valuable consideration from ①SHARP KABUSHIKI KAISHA, ②KONICA MINOLTA HOLDINGS, INC. and ③NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY (assignee), having its principal place of business at ①22-22, Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan, ②6-1, Marunouchi 1-chome Chiyoda-ku, Tokyo 100-0005 Japan and ③1-3-1, Kasumigaseki Chiyoda-ku, Tokyo 100-8921 Japan (address) hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in, to and under an application for Letters Patent of the United States Serial No. 10/529,076 filed on March 24, 2005 for improvements in the ACTIVE MATRIX ORGANIC ELECTROLUMINESCENT DISPLAY ELEMENT, AND APPARATUS AND METHOD FOR MANUFACTURING ACTIVE MATRIX ORGANIC ELECTROLUMINESCENT DISPLAY ELEMENT, LIQUID CRYSTAL ARRAY AND APPARATUS AND METHOD FOR MANUFACTURING LIQUID CRYSTAL ARRAY, AND COLOR FILTER SUBSTRATE AND APPARATUS AND METHOD FOR MANUFACTURING COLOR FILTER SUBSTRATE(title) priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, in any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.

And for the above consideration I agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, divisional, continuation or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, its successors and assigns, the inventions and any of them described in said application and all patent rights therein, in the United States and in any country foreign thereto.

The undersigned agree(s) to furnish all pertinent facts and documents relating to said application, said invention and said patent(s) as may be known and accessible to the undersigned, and will testify as to the same in any interference or litigation related thereto, and will promptly execute and deliver to Assignee any and all papers, instruments or affidavits necessary or desirable to apply for, obtain, maintain or enforce said application or said patent(s) in connection with any interference which may be declared, and any litigation concerning this application or any continuation, division or reissue thereof or Patent(s) or reissue patent(s) issued thereon, and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference or litigation.

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 for Patents 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 or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants Edwards & Angell, LLP of 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.

I, Toshio TAHIRA, hereunto set my hand and seal this 19 day of May, 2005.

Toshio Tahera

Docket No. 63,128 (70904)

A S S I G N M E N T

I, Yasuo NISHI(inventor), for good and valuable consideration from ①SHARP KABUSHIKI KAISHA, ②KONICA MINOLTA HOLDINGS, INC. and ③NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY (assignee), having its principal place of business at ①22-22, Nagaïke-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan, ②6-1, Marunouchi 1-chome Chiyoda-ku, Tokyo 100-0005 Japan and ③1-3-1, Kasumigaseki Chiyoda-ku, Tokyo 100-8921 Japan (address) hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in, to and under an application for Letters Patent of the United States Serial No. 10/529,076 filed on March 24, 2005 for improvements in the ACTIVE MATRIX ORGANIC ELECTROLUMINESCENT DISPLAY ELEMENT, AND APPARATUS AND METHOD FOR MANUFACTURING ACTIVE MATRIX ORGANIC ELECTROLUMINESCENT DISPLAY ELEMENT, LIQUID CRYSTAL ARRAY AND APPARATUS AND METHOD FOR MANUFACTURING LIQUID CRYSTAL ARRAY, AND COLOR FILTER SUBSTRATE AND APPARATUS AND METHOD FOR MANUFACTURING COLOR FILTER SUBSTRATE(title) priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, in any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.

And for the above consideration I agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, divisional, continuation or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, its successors and assigns, the inventions and any of them described in said application and all patent rights therein, in the United States and in any country foreign thereto.

The undersigned agree(s) to furnish all pertinent facts and documents relating to said application, said invention and said patent(s) as may be known and accessible to the undersigned, and will testify as to the same in any interference or litigation related thereto, and will promptly execute and deliver to Assignee any and all papers, instruments or affidavits necessary or desirable to apply for, obtain, maintain or enforce said application or said patent(s) in connection with any interference which may be declared, and any litigation concerning this application or any continuation, division or reissue thereof or Patent(s) or reissue patent(s) issued thereon, and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference or litigation.

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.

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The undersigned hereby grants Edwards & Angell, LLP of 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.

I, Yasuo NISHI, hereunto set my hand and seal this 17th day of May, 2005.

Yasuo Nishi

Docket No. 63,128 (70904)

A S S I G N M E N T

I, Kazuhiro MURATA and Hiroshi YOKOYAMA(inventor), for good and valuable consideration from ①SHARP KABUSHIKI KAISHA, ②KONICA MINOLTA HOLDINGS, INC. and ③NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY (assignee), having its principal place of business at ①22-22, Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan, ②6-1, Marunouchi 1-chome Chiyoda-ku, Tokyo 100-0005 Japan and ③1-3-1, Kasumigaseki Chiyoda-ku, Tokyo 100-8921 Japan (address) hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in, to and under an application for Letters Patent of the United States Serial No. 10/529,076 filed on March 24, 2005 for improvements in the ACTIVE MATRIX ORGANIC ELECTROLUMINESCENT DISPLAY ELEMENT, AND APPARATUS AND METHOD FOR MANUFACTURING ACTIVE MATRIX ORGANIC ELECTROLUMINESCENT DISPLAY ELEMENT, LIQUID CRYSTAL ARRAY AND APPARATUS AND METHOD FOR MANUFACTURING LIQUID CRYSTAL ARRAY, AND COLOR FILTER SUBSTRATE AND APPARATUS AND METHOD FOR MANUFACTURING COLOR FILTER SUBSTRATE(title) priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, in any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.

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The undersigned hereby grants Edwards & Angell, LLP of 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.

I, Kazuhiro MURATA, hereunto set my hand and seal this 20th day of May, 2005.

Kazuhiro Murata

I, Hiroshi YOKOYAMA, hereunto set my hand and seal this 26th day of May, 2005.

Hiroshi Yokoyama

PATENT