

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>Hiroyuki KANBARA</td><td>05/26/2006</td></tr><tr><td>Shuuichi TOWATA</td><td>05/29/2006</td></tr><tr><td>Michiaki IHA</td><td>05/29/2006</td></tr></tbody></table>                                                                                              |                                | Name          | Execution Date                 | Hiroyuki KANBARA    | 05/26/2006                  | Shuuichi TOWATA   | 05/29/2006     | Michiaki IHA | 05/29/2006 |                |       |              |          |
| Name                                                                                                                                                                                                                                                                                                                                                         | Execution Date                 |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| Hiroyuki KANBARA                                                                                                                                                                                                                                                                                                                                             | 05/26/2006                     |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| Shuuichi TOWATA                                                                                                                                                                                                                                                                                                                                              | 05/29/2006                     |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| Michiaki IHA                                                                                                                                                                                                                                                                                                                                                 | 05/29/2006                     |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                                         |                                |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| <table border="1"><tr><td>Name:</td><td>Murata Manufacturing Co., Ltd.</td></tr><tr><td>Street Address:</td><td>10-1 Higashikotari, 1-chome</td></tr><tr><td>Internal Address:</td><td>Nagaokakyo-shi</td></tr><tr><td>City:</td><td>Kyoto-fu</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>617-8555</td></tr></table> |                                | Name:         | Murata Manufacturing Co., Ltd. | Street Address:     | 10-1 Higashikotari, 1-chome | Internal Address: | Nagaokakyo-shi | City:        | Kyoto-fu   | State/Country: | JAPAN | Postal Code: | 617-8555 |
| Name:                                                                                                                                                                                                                                                                                                                                                        | Murata Manufacturing Co., Ltd. |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| Street Address:                                                                                                                                                                                                                                                                                                                                              | 10-1 Higashikotari, 1-chome    |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| Internal Address:                                                                                                                                                                                                                                                                                                                                            | Nagaokakyo-shi                 |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| City:                                                                                                                                                                                                                                                                                                                                                        | Kyoto-fu                       |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| State/Country:                                                                                                                                                                                                                                                                                                                                               | JAPAN                          |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| Postal Code:                                                                                                                                                                                                                                                                                                                                                 | 617-8555                       |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| PROPERTY NUMBERS Total: 1                                                                                                                                                                                                                                                                                                                                    |                                |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10596000</td></tr></tbody></table>                                                                                                                                                                                                 |                                | Property Type | Number                         | Application Number: | 10596000                    |                   |                |              |            |                |       |              |          |
| Property Type                                                                                                                                                                                                                                                                                                                                                | Number                         |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                          | 10596000                       |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                          |                                |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
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| Correspondent Name: Keating & Bennett LLP                                                                                                                                                                                                                                                                                                                    |                                |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
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| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                                      | 36856.1455                     |               |                                |                     |                             |                   |                |              |            |                |       |              |          |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                                                                           | Allison Cowan                  |               |                                |                     |                             |                   |                |              |            |                |       |              |          |

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PATENT  
REEL: 017722 FRAME: 0611

Total Attachments: 2

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**ASSIGNMENT (WORLDWIDE)**

WHEREAS We, Hiroyuki KANBARA, Shuuichi TOWATA, and Michiaki IHA (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled **METHOD FOR FORMING THICK FILM PATTERN, METHOD FOR MANUFACTURING ELECTRONIC COMPONENT, AND PHOTOLITHOGRAPHY PHOTOSENSITIVE PASTE** for which application for Letters Patent of the United States has been

\_\_\_\_\_ executed on even date herewith;  
X filed on 05/24/06 as Serial No. 10/596,000.

WHEREAS, Murata Manufacturing Co., Ltd., 10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto-fu Japan 617-8555 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to the said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefor through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Dated: 5/26/2006 Hiroyuki Kanbara  
Hiroyuki KANBARA

Dated: 5/29/2006

Shuuichi Towata  
Shuuichi TOWATA

Dated: 5/29/2006

Michiaki Iha  
Michiaki IHA