# PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

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<th>SUBMISSION TYPE:</th>
<th>NEW ASSIGNMENT</th>
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

## CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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</thead>
<tbody>
<tr>
<td>Takashi Fujii</td>
<td>05/31/2011</td>
</tr>
<tr>
<td>Kazuyuki Hirao</td>
<td>06/06/2011</td>
</tr>
<tr>
<td>Kanji Sakata</td>
<td>05/01/2011</td>
</tr>
</tbody>
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## RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
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<tbody>
<tr>
<td>Murata Manufacturing Co., Ltd.</td>
<td>10-1 Higashikotari 1-chome</td>
</tr>
<tr>
<td>Nagaokakyo-shi, Kyoto-fu</td>
<td>JAPAN</td>
</tr>
<tr>
<td>617-8555</td>
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<th>Address</th>
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<tbody>
<tr>
<td>Tokuyama Corporation (Corporation of Japan)</td>
<td>1-1, Mikage-cho</td>
</tr>
<tr>
<td>Shunan-shi, Yamaguchi</td>
<td>JAPAN</td>
</tr>
<tr>
<td>745-8648</td>
<td></td>
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## PROPERTY NUMBERS Total: 1

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<tr>
<td>Application Number</td>
<td>13159799</td>
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## CORRESPONDENCE DATA

Fax Number: (212)277-6501  
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 2122776500  
Email: jacobsone@dicksteinshapiro.com  
Correspondent Name: Rich LaCava  
Address Line 1: 1633 Broadway  
Address Line 2: Dickstein Shapiro LLP

501574955  
PATENT  
REEL: 026493 FRAME: 0706
<table>
<thead>
<tr>
<th>Address Line 4:</th>
<th>New York, NEW YORK 10019</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATTORNEY DOCKET NUMBER:</td>
<td>F8050.0015</td>
</tr>
<tr>
<td>NAME OF SUBMITTER:</td>
<td>Richard LaCava</td>
</tr>
</tbody>
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Total Attachments: 3
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PATENT APPLICATION ASSIGNMENT
SOLE OR JOINT INVENTORS EXECUTED OUTSIDE U.S.A.

WHEREAS, I (We), Takashi Fujii, Kazuyuki Hirao, and Kanji Sakata as assignor(s), have invented certain improvements in INFRARED RAY TRANSMISSIVE OPTICAL MEMBER AND MANUFACTURING METHOD THEREOF, OPTICAL DEVICE, AND OPTICAL APPARATUS for which an application for United States Letters Patent has been executed by us of even date herewith; and

WHEREAS, Murata Manufacturing Co., Ltd. (Corporation of Japan) address: 10-1, Higashikotani 1-chome, Nagaokakyo-shi, Kyoto 617-8555 Japan, and Tokuyama Corporation (Corporation of Japan) address: 1-1, Mikage-cho, Shunan-shi, Yamaguchi, 745-8648 Japan; as assignees, are desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar ($1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I (We), as assignor(s), hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself (ourselves) and my (our) legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

Date: May 31, 2011

Takashi Fujii

Date: ____________________________

Kazuyuki Hirao

Date: ____________________________

Kanji Sakata

LEGALIZATION RECOMMENDED
PATENT APPLICATION ASSIGNMENT
SOLE OR JOINT INVENTORS
EXECUTED OUTSIDE U.S.A.

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Date: ____________________________
Takashi Fujii

Date: ____________________________
Kazuyuki Hirao

Date: ____________________________
Kanji Sakata

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Date: ________________________________
Takashi Fujii

Date: ________________________________
Kazuyuki Hirao

Date: June 1, 2011
Kanji Sakata

LEGALIZATION RECOMMENDED