

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kiyokazu YAMADA</td> <td>06/17/2008</td> </tr> <tr> <td>Shinji TANAKA</td> <td>06/19/2008</td> </tr> <tr> <td>Hideaki KOBAYASHI</td> <td>06/16/2008</td> </tr> </tbody> </table>		Name	Execution Date	Kiyokazu YAMADA	06/17/2008	Shinji TANAKA	06/19/2008	Hideaki KOBAYASHI	06/16/2008
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Hideaki KOBAYASHI	06/16/2008								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	Murata Manufacturing Co., Ltd.								
<b>Street Address:</b>	10-1 Higashikotari 1-chome								
<b>City:</b>	Nagaokakyo-shi, Kyoto-fu								
<b>State/Country:</b>	JAPAN								
<b>Postal Code:</b>	617-8555								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12165721</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12165721				
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Application Number:	12165721								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(703)637-1499								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	(703)-6371480								
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<b>ATTORNEY DOCKET NUMBER:</b>	36856.1677								
<b>NAME OF SUBMITTER:</b>	Kelly Gastoukian								
<b>Total Attachments: 1</b> source=36856-1677-PTO-20080620-signed-assignment#page1.tif									

OP \$40.00 12165721

**PATENT**

**500581570**

**REEL: 021177 FRAME: 0404**

Attorney Docket No.: 36356.1677

**ASSIGNMENT (WORLDWIDE)**

WHEREAS We, **Kiyokazu YAMADA, Shinji TANAKA , and Hideaki KOBAYASHI** (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled **OPTICAL SPECTRUM ANALYZER** for which application for Letters Patent of the United States has been

\_\_\_\_\_ executed on even date herewith;  
 filed on 07/01/08 as Serial No. 12/165,721.

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: June 17, 2008

Kiyokazu YAMADA  
Kiyokazu YAMADA  
10/6/08 ky

Dated: June 19, 2008

Shinji TANAKA  
Shinji TANAKA

Dated: June 16, 2008

Hideaki KOBAYASHI  
Hideaki KOBAYASHI