

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Mamoru MIYACHI</td><td>06/05/2008</td></tr><tr><td>Yoshinori KIMURA</td><td>06/05/2008</td></tr></tbody></table>	Name	Execution Date	Mamoru MIYACHI	06/05/2008	Yoshinori KIMURA	06/05/2008					
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Yoshinori KIMURA	06/05/2008										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>PIONEER CORPORATION</td></tr><tr><td>Street Address:</td><td>4-1, Meguro 1-chome</td></tr><tr><td>City:</td><td>Meguro-ku, Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>1538654</td></tr></table>	Name:	PIONEER CORPORATION	Street Address:	4-1, Meguro 1-chome	City:	Meguro-ku, Tokyo	State/Country:	JAPAN	Postal Code:	1538654	
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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>12158648</td></tr></tbody></table>	Property Type	Number	Application Number:	12158648							
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Application Number:	12158648										
CORRESPONDENCE DATA											
Fax Number: (202)857-6395 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Total Attachments: 1 source=107156-00395_Assignment#page1.tif											

OP \$40.00 12158648

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PATENT
REEL: 021140 FRAME: 0572

Docket No. 107156-00395**U.S. ASSIGNMENT**

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert
ASSIGNEE's
Name(s)
Address(es)]

PIONEER CORPORATION4-1, Meguro 1-chome, Meguro-ku, Tokyo 1538654 Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest, including the right to sue for past infringement, if any, and all rights pursuant to 35 U.S.C. §154, to the invention entitled:

[Title of
Invention]

MULTI-WAVELENGTH INTEGRATED SEMICONDUCTOR LASER DEVICE AND METHOD FOR
MANUFACTURING SAME

[*If the assignment
is being filed
after the filing of the
application, this
section must be
completed]

for which application for Letters Patent of the United States was filed on June 20, 2008 and assigned Serial No. 12/158,648, (Arent Fox LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known) and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, renewal, substitute, reissue or reexamination thereof, and any other application claiming priority thereto, for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)
of Assignor(s)]

Mamoru Miyachi
(SIGNATURE)

MIYACHI Mamoru
(TYPE NAME)

June 5, 2008
(DATE)

Yoshinori Kimura
(SIGNATURE)

KIMURA Yoshinori
(TYPE NAME)

June 5, 2008
(DATE)

(SIGNATURE)

(TYPE NAME)

(DATE)

NO LEGALIZATION REQUIRED