

## PATENT ASSIGNMENT

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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>Takayuki YABU</td> <td>02/05/2012</td> </tr> <tr> <td>Kouji KAKIZAKI</td> <td>02/14/2012</td> </tr> <tr> <td>Takanobu ISHIHARA</td> <td>02/05/2012</td> </tr> <tr> <td>Tamotsu ABE</td> <td>02/05/2012</td> </tr> <tr> <td>Osamu WAKABAYASHI</td> <td>02/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Takayuki YABU	02/05/2012	Kouji KAKIZAKI	02/14/2012	Takanobu ISHIHARA	02/05/2012	Tamotsu ABE	02/05/2012	Osamu WAKABAYASHI	02/05/2012
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>GIGAPHOTON INC.</td> </tr> <tr> <td>Street Address:</td> <td>400 Yokokurashinden, Oyama-shi,</td> </tr> <tr> <td>City:</td> <td>Tochigi</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>323-0819</td> </tr> </table>		Name:	GIGAPHOTON INC.	Street Address:	400 Yokokurashinden, Oyama-shi,	City:	Tochigi	State/Country:	JAPAN	Postal Code:	323-0819		
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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>13396289</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13396289								
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CORRESPONDENCE DATA													
<p>Fax Number: (202)756-8087          Phone: 202-756-8000          Email: washington_ip_docket@mwe.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>          Correspondent Name: MCDERMOTT WILL &amp; EMERY LLP          Address Line 1: 600 13TH STREET, N.W.          Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005-3096</p>													
ATTORNEY DOCKET NUMBER:	086885-0057												
NAME OF SUBMITTER:	Nathaniel D. McQueen												
Total Attachments: 3 source=0868850057assigntransmittal#page1.tif source=0868850057assign#page1.tif source=0868850057assign#page2.tif													

CH \$40.00 13396289

RECORDATION FORM COVER SHEET

**Docket No.: 086885-0057**

**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><b>1. Name of Conveying Party(ies)</b>  <b>Takayuki YABU, Kouji KAKIZAKI, Takanobu ISHIHARA,</b>  <b>Tamotsu ABE, Osamu WAKABAYASHI</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p><b>2. Name and address of receiving party(ies)</b>  Name: <b>GIGAPHOTON INC.</b></p> <p>Internal Address:</p> <p>Address: <b>400 Yokokurashinden, Oyama-shi, Tochigi 323-0819, Japan</b></p>
<p><b>3. Nature of Conveyance/Execution Date(s)</b></p> <p>Execution Date(s): <b>February 5, 2012; February 14, 2012;</b>  <b>February 5, 2012; February 5, 2012 and</b>  <b>February 5, 2012 respectively</b></p> <p> <input checked="" type="checkbox"/> Assignment                      <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement              <input type="checkbox"/> Change of Name  <input type="checkbox"/> Joint Research Agreement  <input type="checkbox"/> Government Interest Assignment  <input type="checkbox"/> Executive Order 9424, Confirmatory License </p>	<p><input checked="" type="checkbox"/> This document is being filed together with a new application.  B. Patent No(s).</p>
<p><b>4. Application or patent number(s):</b>  A. Patent Application No(s).</p>	<p><b>6. Total number of applications and patents involved:</b></p>
<p><b>5. Name and address to whom correspondence concerning document should be mailed:</b></p> <p>Name: <b>MCDERMOTT WILL &amp; EMERY LLP</b>  Internal Address:</p> <p>Street Address: <b>600 13th Street, N.W.</b></p> <p>City: <b>Washington,</b> State: <b>DC</b> Zip: <b>20005-3096</b>  D.C.</p> <p>Phone Number: <b>202.756.8000</b>  Fax Number: <b>202.756.8087</b>  Email Address: <b>mweipdocket@mwe.com</b></p>	<p><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41) <span style="float:right">\$40.00</span></b></p> <p> <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 title) </p>
<p><b>9. Signature.</b>  <i>for</i> <b>Stephen A. Becker 26,527</b> </p>	<p><b>8. Payment Information:</b></p> <p>a. Credit Card      Last 4 Numbers _____  Expiration Date _____</p> <p>b. Deposit Account Number <u>500417</u>  Authorized User Name _____</p>
<p align="right">Reg No 53,308</p>	
<p align="right"><b>February 14, 2012</b></p>	
<p>Name and Registration No. of Person Signing                      Signature                      Date</p>	
<p align="right">Total number of pages including cover sheet, attachments and documents: <b>3</b></p>	

Docket No.:

### ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) <u>Takayuki YABU</u>	(4) <u>Tamotsu ABE</u>
(2) <u>Kouji KAKIZAKI</u>	(5) <u>Osamu WAKABAYASHI</u>
(3) <u>Takanobu ISHIHARA</u>	(6) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto

GIGAPHOTON INC

400 Yokokurashinden, Oyama-shi,

Tochigi 323-0819, Japan

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

EXTREME ULTRAVIOLET LIGHT GENERATION APPARATUS

(a) for which an application for United States Letters Patent was filed on [case\_filing\_date], and identified by United States Application No. [Not Yet Assigned]; or

(b) for which an application for United States Letters Patent was executed on ,

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

	INVENTORS	DATE SIGNED
1)	Takayuki Yabu Name: Takayuki YABU	Feb. 5, 2012
2)	Kouji Kakizaki Name: Kouji KAKIZAKI	Feb. 14, 2012
3)	Takanobu Ishihara Name: Takanobu ISHIHARA	Feb. 5, 2012
4)	Tamotsu Abe Name: Tamotsu ABE	Feb. 5, 2012
5)	Osamu Wakabayashi Name: Osamu WAKABAYASHI	Feb. 5, 2012
6)	Name:	