

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>Shusaku MAEDA</td> <td>11/24/2011</td> </tr> <tr> <td>Kouji ISHIGURO</td> <td>11/24/2011</td> </tr> </tbody> </table>		Name	Execution Date	Shusaku MAEDA	11/24/2011	Kouji ISHIGURO	11/24/2011		
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RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>Hitachi High-Technologies Corporation</td> </tr> <tr> <td>Street Address:</td> <td>24-14, Nishishimbashi 1-chome, Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Hitachi High-Technologies Corporation	Street Address:	24-14, Nishishimbashi 1-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN
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PROPERTY NUMBERS Total: 1									
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CORRESPONDENCE DATA									
<p>Fax Number: (703)610-8686 Phone: 7036108652 Email: dminter@milesstockbridge.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Mitchell W. Shapiro Address Line 1: 1751 Pinnacle Drive, Suite 500 Address Line 4: McLean, VIRGINIA 22102-3833</p>									
ATTORNEY DOCKET NUMBER:	XA-12035/T4388-18704US01								
NAME OF SUBMITTER:	Dawn Minter								
Total Attachments: 1 source=12035-assignment#page1.tif									

CH \$40.00 13382396

ASSIGNMENT

(譲 渡 証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi High-Technologies Corporation, a corporation organized under the laws of Japan, located at 24-14, Nishi Shimbashi 1-chome, Minato-ku, Tokyo, Japan receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi High-Technologies Corporation, its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

CHARGED PARTICLE BEAM DEVICE

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, No. PCT/JP2010/003257 filed May 14, 2010, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi High-Technologies Corporation, its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi High-Technologies Corporation,

Signed on the date(s) indicated aside our signatures:

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1)	S.M. 11/24/2011 Shusaku Maeda <u>Shusaku Maeda</u>	<u>11/24/2011</u>
2)	<u>Kouji Ishiguro</u>	<u>11/24/2011</u>
3)	<u></u>	<u></u>
4)	<u></u>	<u></u>
5)	<u></u>	<u></u>
6)	<u></u>	<u></u>
7)	<u></u>	<u></u>
8)	<u></u>	<u></u>
9)	<u></u>	<u></u>
10)	<u></u>	<u></u>