

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>Yasuhira Nagakubo</td> <td>03/29/2013</td> </tr> <tr> <td>Toshiaki Tanigaki</td> <td>03/29/2013</td> </tr> <tr> <td>Hideki Hirota</td> <td>03/29/2013</td> </tr> <tr> <td>Katsuji Ito</td> <td>03/29/2013</td> </tr> <tr> <td>Takayuki Asakawa</td> <td>03/29/2013</td> </tr> </tbody> </table>		Name	Execution Date	Yasuhira Nagakubo	03/29/2013	Toshiaki Tanigaki	03/29/2013	Hideki Hirota	03/29/2013	Katsuji Ito	03/29/2013	Takayuki Asakawa	03/29/2013
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RECEIVING PARTY DATA													
Name:	Hitachi High-Technologies Corporation												
Street Address:	24-14, Nishishimbashi 1-chome, Minato-ku												
City:	Tokyo												
State/Country:	JAPAN												
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>13877947</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13877947								
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CORRESPONDENCE DATA													
Fax Number:	7036108686												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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NAME OF SUBMITTER:	Mitchell W. Shapiro												
Signature:	/Mitchell W. Shapiro/												
Date:	04/07/2013												
Total Attachments: 1 source=Assignment#page1.tif													

CH \$40.00 13877947

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

SAMPLE DEVICE FOR CHARGED PARTICLE BEAM

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, executed on even date herewith, 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 signatures:

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1)	Yasuhira NAGAKUBO <i>Yasuhira Nagakubo</i>	<u>3/29/2013</u>
2)	Toshiaki TANIGAKI <i>Toshiaki Tanigaki</i>	<u>3/29/2013</u>
3)	Hideki HIROTA <i>Hideki Hirota</i> <small>H.H. 3/29/2013</small>	<u>3/29/2013</u>
4)	Katsuji ITO <i>Katsuji Ito</i>	<u>3/29/2013</u>
5)	Takayuki ASAKAWA <i>Takayuki Asakawa</i>	<u>3/29/2013</u>
6)	_____	_____
7)	_____	_____
8)	_____	_____
9)	_____	_____
10)	_____	_____