

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4924333

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YOSHINOBU KIMURA	03/27/2018
NATSUKI TSUNO	03/27/2018
TOSHIHIDE AGEMURA	03/27/2018
TAKESHI OGASHIWA	03/27/2018
JUNICHIRO TOMIZAWA	03/27/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HITACHI HIGH-TECHNOLOGIES CORPORATION
<b>Street Address:</b>	24-14, NISHI SHIMBASHI 1-CHOME
<b>City:</b>	MINATO-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15520953
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)628-8844
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	2026242800
<b>Email:</b>	ehorne@crowell.com
<b>Correspondent Name:</b>	CROWELL & MORING LLP
<b>Address Line 1:</b>	P.O. BOX 14300
<b>Address Line 4:</b>	WASHINGTON, D.C. 20044-4300
<b>ATTORNEY DOCKET NUMBER:</b>	104349.70246US
<b>NAME OF SUBMITTER:</b>	MICHAEL H. JACOBS
<b>SIGNATURE:</b>	/Michael H. Jacobs/
<b>DATE SIGNED:</b>	04/19/2018
<b>Total Attachments: 5</b>	
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# 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 AND INFORMATION-PROCESSING 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/JP2015/079761 filed October 22, 2015, 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) Yoshinobu Kimura  
Yoshinobu KIMURA

March 27, 2018

2) \_\_\_\_\_  
Natsuki TSUNO

3) \_\_\_\_\_  
Toshihide AGEMURA

4) \_\_\_\_\_  
Takeshi OGASHIWA

5) \_\_\_\_\_  
Junichiro TOMIZAWA

6) \_\_\_\_\_

7) \_\_\_\_\_

8) \_\_\_\_\_

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10) \_\_\_\_\_

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(発明者フルネームサイン)

Date Signed  
(署名日)

1) \_\_\_\_\_  
Yoshinobu KIMURA

2) Natsuki Tsuno.  
Natsuki TSUNO

3) \_\_\_\_\_  
Toshihide AGEMURA

4) \_\_\_\_\_  
Takeshi OGASHIWA

5) \_\_\_\_\_  
Junichiro TOMIZAWA

6) \_\_\_\_\_

7) \_\_\_\_\_

8) \_\_\_\_\_

9) \_\_\_\_\_

10) \_\_\_\_\_

\_\_\_\_\_ March 27, 2018

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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) _____ Yoshinobu KIMURA	_____
2) _____ Natsuki TSUNO	_____
3) <u>Toshihide Agemura</u> Toshihide AGEMURA	<u>March 27, 2018</u>
4) _____ Takeshi OGASHIWA	_____
5) _____ Junichiro TOMIZAWA	_____
6) _____	_____
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2)	_____	_____
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3)	_____	_____
	Toshihide AGEMURA	
4)	_____	_____
	Takeshi OGASHIWA	
5)	<u>Takeshi Ogashira</u>	<u>March 27, 2018</u>
	Junichiro TOMIZAWA	
6)	_____	_____
7)	_____	_____
8)	_____	_____
9)	_____	_____
10)	_____	_____

PATENT

REEL: 045593 FRAME: 0133

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6) _____	_____
7) _____	_____
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