

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT4948490

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KEIJI WATANABE	03/27/2018
TOSHIYUKI MINE	03/27/2018
HIROYASU SHICHI	03/27/2018
MASATOSHI MORISHITA	03/27/2018
RECEIVING PARTY DATA	
Name:	HITACHI, LTD.
Street Address:	6-6, MARUNOUCHI 1-CHOME
City:	CHIYODA-KU, TOKYO
State/Country:	JAPAN
Postal Code:	100-8280
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15909601
CORRESPONDENCE DATA	
Fax Number:	(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>	
Phone:	2026242800
Email:	ehorne@crowell.com
Correspondent Name:	CROWELL & MORING LLP
Address Line 1:	P.O. BOX 14300
Address Line 4:	WASHINGTON, D.C. 20044-4300
ATTORNEY DOCKET NUMBER:	106462.PA941US
NAME OF SUBMITTER:	MICHAEL H. JACOBS
SIGNATURE:	/Michael H. Jacobs/
DATE SIGNED:	05/07/2018
Total Attachments: 4	
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source=PA941US_Assignment#page2.tif	
source=PA941US_Assignment#page3.tif	

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, LTD.,
a corporation organized under the laws of Japan,
located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8280, Japan,
receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD.,
its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

CONTROL METHOD AND CONTROL PROGRAM FOR FOCUSED ION 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, 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, LTD.,

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, LTD.

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) Keiji Watanabe (Keiji WATANABE)

3/27/2018

2) _____ (Toshiyuki MINE)

3) _____ (Hiroyasu SHICHI)

4) _____ (Masatoshi MORISHITA)

5) _____

6) _____

7) _____

8) _____

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INVENTOR(S)
(発明者フルネームサイン)

Date Signed
(署名日)

1) _____	(Keiji WATANABE)	_____
2) <u>Toshiyuki Mine</u>	(Toshiyuki MINE)	<u>March 27, 2018</u>
3) _____	(Hiroyasu SHICHI)	_____
4) _____	(Masatoshi MORISHITA)	_____
5) _____		_____
6) _____		_____
7) _____		_____
8) _____		_____

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Date Signed
(署名日)

1) _____ (Keiji WATANABE)

2) _____ (Toshiyuki MINE)

3) Hiroyasu Shichi (Hiroyasu SHICHI)

4) _____ (Masatoshi MORISHITA)

5) _____

6) _____

7) _____

8) _____

March 27, 2018

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3) _____	(Hiroyasu SHICHI)	_____
4) Masatoshi Morishita	(Masatoshi MORISHITA)	March 27, 2018
5) _____		_____
6) _____		_____
7) _____		_____
8) _____		_____