

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4330633

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INCORRECT ASSIGNOR KOUJI KOUJI previously recorded on Reel 041328 Frame 0966. Assignor(s) hereby confirms the EXECUTED ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
TAKASHI NAKAHARA	01/27/2017
SHINYA YUDA	01/26/2017
TAKANORI AONO	01/24/2017
TETSU INAHARA	01/17/2017
YOSHITAKA SEKI	01/20/2017
KOUJI AKITA	01/20/2017
KIYOMI ABE	01/30/2017
RECEIVING PARTY DATA	
Name:	HITACHI, LTD.
Street Address:	6-6, MARUNOUCHI 1-CHOME
City:	CHIYODA-KU, TOKYO
State/Country:	JAPAN
Postal Code:	1008280
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15313982
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:	2026242500
Email:	eoconnell@crowell.com
Correspondent Name:	CROWELL & MORING LLP
Address Line 1:	1001 PENNSYLVANIA AVENUE, NW
Address Line 4:	WASHINGTON, D.C. 20002
ATTORNEY DOCKET NUMBER:	029118.69695US
NAME OF SUBMITTER:	MICHAEL H. JACOBS
SIGNATURE:	/Michael H. Jacobs/

DATE SIGNED:	03/22/2017
Total Attachments: 7 source=69695US_Corrected_Assignment#page1.tif source=69695US_Corrected_Assignment#page2.tif source=69695US_Corrected_Assignment#page3.tif source=69695US_Corrected_Assignment#page4.tif source=69695US_Corrected_Assignment#page5.tif source=69695US_Corrected_Assignment#page6.tif source=69695US_Corrected_Assignment#page7.tif	

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT4284878

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAKASHI NAKAHARA	01/27/2017
SHINYA YUDA	01/26/2017
TAKANORI AONO	01/24/2017
TETSU INAHARA	01/17/2017
YOSHITAKA SEKI	01/20/2017
KOUJI KOUJI <u>AKITA</u>	01/20/2017
KIYOMI ABE	01/30/2017
RECEIVING PARTY DATA	
Name:	HITACHI, LTD.
Street Address:	6-6, MARUNOUCHI 1-CHOME
City:	CHIYODA-KU, TOKYO
State/Country:	JAPAN
Postal Code:	100-8280
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Correspondent Name:	CROWELL & MORING LLP
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Address Line 4:	WASHINGTON, D.C. 20002
ATTORNEY DOCKET NUMBER:	029118.69695US
NAME OF SUBMITTER:	MICHAEL H. JACOBS
SIGNATURE:	/Michael H. Jacobs/
DATE SIGNED:	02/22/2017

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 1008280, 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

X-RAY TUBE PREDICTIVE FAULT INDICATOR SENSING DEVICE, X-RAY TUBE PREDICTIVE FAULT INDICATOR SENSING METHOD, AND X-RAY IMAGING 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,

Serial No. 15/313,982, filed on 25 November 2016,

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 signatures:

INVENTOR(S)
(発明者フルネームサイン)

Date Signed
(署名日)

1) Takashi Nakahara
Takashi NAKAHARA

27 January 2017

2) _____
Shinya YUDA

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 1008280, 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

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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,

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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 signatures:

INVENTOR(S)
(発明者フルネームサイン)

Date Signed
(署名日)

1) _____
Takashi NAKAHARA

2) Shinya Yuda
Shinya YUDA

26 January 2017

INVENTOR(S)
(発明者フルネームサイン)

Date Signed
(署名日)

3) Takanori Aono
Takanori AONO

January 24, 2017

4) _____
Tetsu INAHARA

5) _____
Yoshitaka SEKI

6) _____
Kouji AKITA

7) _____
Kiyomi ABE

INVENTOR(S)
(発明者フルネームサイン)

Date Signed
(署名日)

3) _____
Takanori AONO

4) Tetsu Inahara
Tetsu INAHARA

5) Yoshitaka Seki
Yoshitaka SEKI

6) Kouji Akita
Kouji AKITA

7) Kiyomi Abe
Kiyomi ABE

January 17, 2017

January 20, 2017

January 20, 2017

January 30, 2017