504286237 03/23/2017

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| TOSHIYUKI IWAHORI | 01/16/2017 |
| TSUYOSHI OONISHI | 01/16/2017 |

RECEIVING PARTY DATA

| Name: | HITACHI HIGH-TECH SCIENCE CORPORATION | |
|-----------------|---------------------------------------|--|
| Street Address: | 24-14, NISHI-SHIMBASHI 1-CHOME | |
| City: | MINATO-KU, TOKYO | |
| State/Country: | JAPAN | |
| Postal Code: | 105-0003 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15467126 |

CORRESPONDENCE DATA

Fax Number: (212)809-3704

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.

Phone: 212-809-3700

Email:adamswilks@aol.comCorrespondent Name:ADAMS & WILKSAddress Line 1:17 BATTERY PLACE

Address Line 2: SUITE 1343

Address Line 4: NEW YORK, NEW YORK 10004

| ATTORNEY DOCKET NUMBER: | N004-7485 | |
|-------------------------|------------------|--|
| NAME OF SUBMITTER: | BRUCE L. ADAMS | |
| SIGNATURE: | /bruce I. adams/ | |
| DATE SIGNED: | 03/23/2017 | |

Total Attachments: 3

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PATENT 504286237 REEL: 041700 FRAME: 0012

FOR APPLICATIONS WITH ASSIGNEE NAMED AS APPLICANT

DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

Title of the Invention

SAMPLE HOLDER AND FOCUSED ION BEAM APPARATUS

As a below named inventor (hereinafter designated as "the undersigned"), I hereby declare that:

This declaration is directed to the application attached hereto (hereinafter designated as "the application"). If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:

United States Application No. or PCT International Appln. No. 15/467, 126

filed on March 23, 2017 (hereinafter designated as "the application").

The application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

WHEREAS, the undersigned has invented certain new and useful improvements described in the application.

WHEREAS, HITACHI HIGH-TECH SCIENCE CORPORATION, located and doing business at 24-14, Nishi-shimbashi 1-chome, Minato-ku, Tokyo 105-0003, Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as "the Assignee") is desirous of acquiring the entire right, title and interest in and to said invention, in and to the application, and in and to any Letters Patent(s) that may be granted for said invention in the United States of America.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does hereby sell, assign and transfer unto the said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to the application and any and all divisions, continuations and coversions thereof, and in and to any and all Letters Patent(s) and any and all reissues and extensions thereof which may be granted for said invention in the United States of America, its territories, dependencies and possessions.

Attorney Docket No. N004-7485

The undersigned agrees to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain grant of a valid United States of America patent to the Assignee and to vest all rights therein hereby conveyed to the Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the U.S. Patent and Trademark to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional, conversion or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby covenants that he/she has the full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Adams & Wilks the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date alongside the undersigned's name.

| Inventor: | Toshiyuki IWAHORI | Date: 16 jan. 20 |
|------------|-------------------|------------------|
| Signature: | Toshiyuki Iwahoni | |

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SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

| LEGAL NAME OF JOINT INVENTOR, IF ANY | |
|--------------------------------------|--------------------|
| Inventor: Tsuyoshi OONISHI | Date: 16 jan. 2017 |
| Signature: Janyoshi Onishi | • |
| LEGAL NAME OF JOINT INVENTOR, IF ANY | |
| EBGAE IAMINE OF JOINT INVESTIGATION | |
| Inventor: | Date: |
| Signature: | |
| LEGAL NAME OF JOINT INVENTOR, IF ANY | |
| Inventor: | Date: |
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| LEGAL NAME OF JOINT INVENTOR, IF ANY | |
| Inventor: | Date: |
| Signature: | |

PATENT REEL: 041700 FRAME: 0015

RECORDED: 03/23/2017