

03-02-2007

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OMB No. 0651-0027 (exp. 6/30/2005)



U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

Attorney Docket No. 520.47180X00

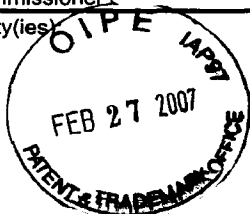
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To the Honorable Commissioner

Attached original documents or copy thereof.

## 1. Name of conveying party(ies)

Hiroyasu SHICHI  
Satoshi TOMIMATSU  
Noriyuki KANEOKA  
Kaoru UMEMURA  
Koji ISHIGURO



## 2. Name and address of receiving party(ies)

Name: **Hitachi High-Technologies Corporation**

Street Address: **1-24-14, Nishi Shimbashi, Minato-ku  
Tokyo 105-8717, Japan**

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/ Execution Date: **January 25, 2007;  
January 25, 2007; January 30, 2007; February 1, 2007  
and January 29, 2007.**

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ OtherAdditional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/674,262

B. Patent Registration No.(s)

Additional number(s) attached ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **ANTONELLI, TERRY, STOUT & KRAUS, LLP**

Internal Address:

1300 NORTH 17<sup>TH</sup> STREET - SUITE 1800City: **ARLINGTON** State: **VA** Zip **22209**

Phone Number: (703) 312-6600

Facsimile Number: (703) 312-6666

Email Address: email@antonelli.com

6. Total number of applications and patents involved **1**7. Total fee (37 CFR 3.41)..... **\$40.00**☒ Authorized to be charged by credit card☐ Authorized to be charged to deposit account☒ Enclosed☐ None required (government interest not affecting title)

## 8. Payment Information:

a. Credit Card Last 4 numbers: 11073

Expiration date: 06/10

b. Deposit account number: 01-2135

Authorized User Name: William I. Solomon

DO NOT USE THIS SPACE

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Melvin Kraus, Reg#22,466

Name of Person Signing

Signature

02/27/2007

Date

Total number of pages including cover sheet, attachments, and document: **2**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
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PATENT  
REEL: 018978 FRAME: 0100

# 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 1-24-14, Nishi Shinbashi, 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

## Ion Beam Processing Apparatus

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) <u>Hiroyasu Shichi</u> Hiroyasu SHICHI	<u>1/25/2007</u>
2) <u>Satoshi Tomimatsu</u> Satoshi TOMIMATSU	<u>1/25/2007</u>
3) <u>Noriyuki Kaneoka</u> Noriyuki KANEOKA	<u>1/30/2007</u>
4) <u>Kaoru Umemura</u> Kaoru UMEMURA	<u>2/1/2007</u>
5) <u>Koji Ishiguro</u> Koji ISHIGURO	<u>1/29/2007</u>
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____

PATENT

RECORDED: 02/27/2007

REEL: 018978 FRAME: 0101