

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT														
NATURE OF CONVEYANCE:	Corrective Assignment to correct the application serial number to --09191383-- and the sixth inventor's name to --Yoshinori Nakayama-- previously recorded on Reel 009644 Frame 0896. Assignor(s) hereby confirms the Assignment to Hitachi, Ltd..														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Yasunari SOHDA</td><td>11/04/1998</td></tr><tr><td>Yasuhiro SOMEDA</td><td>11/04/1998</td></tr><tr><td>Hiroya OHTA</td><td>11/04/1998</td></tr><tr><td>Takashi MATSUZAKA</td><td>11/05/1998</td></tr><tr><td>Norio SAITOU</td><td>11/06/1998</td></tr><tr><td>Yoshinori NAKAYAMA</td><td>11/06/1998</td></tr></tbody></table>		Name	Execution Date	Yasunari SOHDA	11/04/1998	Yasuhiro SOMEDA	11/04/1998	Hiroya OHTA	11/04/1998	Takashi MATSUZAKA	11/05/1998	Norio SAITOU	11/06/1998	Yoshinori NAKAYAMA	11/06/1998
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Yoshinori NAKAYAMA	11/06/1998														
RECEIVING PARTY DATA															
<table border="1"><tr><td>Name:</td><td>HITACHI, LTD.</td></tr><tr><td>Street Address:</td><td>6, Kanda Surugadai 4-chome, Chiyoda-ku</td></tr><tr><td>City:</td><td>Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr></table>		Name:	HITACHI, LTD.	Street Address:	6, Kanda Surugadai 4-chome, Chiyoda-ku	City:	Tokyo	State/Country:	JAPAN						
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PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>09191383</td></tr></tbody></table>		Property Type	Number	Application Number:	09191383										
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Application Number:	09191383														
CORRESPONDENCE DATA															
Fax Number: (703)684-1157 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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ATTORNEY DOCKET NUMBER:	NIT-103														

CH \$40.00 09191383

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PATENT
REEL: 019816 FRAME: 0661

NAME OF SUBMITTER:

Daniel J. Stanger

Total Attachments: 4

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PATENT

REEL: 019816 FRAME: 0662

12-22-1998

PATENTS ONLY (ref OG 7/28/92)



To the Honorable Commi

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arks:

Please record the attached original document or copy thereof.

1. Name of Party(ies) conveying an interest: 2. Name and Address of Party(ies) receiving an interest:

Yasunari SOHDA; Yasuhiro SOMEDA;
Hiroya OHTA; Takashi MATSUZAKA;
Norio SAITOU; Yoshinori NAKAYAMA

HITACHI, LTD.
6, Kanda Surugadai 4-chome
Chiyoda-ku, Tokyo, JAPAN

3. Description of the interest conveyed: Assignment

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

Additional sheet attached? Yes XXX No

If this document is being filed together with a new application,
the execution date of the application is: _____

DATE

- A. Patent Application No.(s)

- B. Patent No.(s)

08/191,383

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

Thomas E. Beall, Jr.
Fay, Sharpe, Beall,
Fagan, Minnich & McKee
104 East Hume Avenue
Alexandria, Virginia 22301

6. Number of applications and patents involved: One

7. Amount of fee enclosed or authorized to be charged: \$40.00

8. The Commissioner is hereby authorized to charge Deposit Account No. 02-1540 if no check is attached.

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12/22/1998 JSHABAZZ 00000044 08191383

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9. Execution date of attached document: November 6, 1998

10. To the best of my knowledge and belief, I declare under penalty of perjury under the laws of the United States of America that the foregoing information is true and correct and that any attached copy is a true copy of the original document.

John R. Mattingly

Name of Person Signing

Signature

December 18, 1998

Date

Total number of pages being submitted: 2

PATENT
REEL: 019816 FRAME: 0663

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, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, 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

ELECTRON BEAM LITHOGRAPHY APPARATUS AND PATTERN FORMING METHOD

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 signatures :

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)	Witnesses (立会人サイン)
1) <u>Yasunari Sohda</u> Yasunari Sohda	November 4, 1998	<u>Isamu Orita</u>
2) <u>Yasuhiro Sameda</u> Yasuhiro Sameda	November 4, 1998	<u>Isamu Orita</u>
3) <u>Hiroya Ohta</u> Hiroya Ohta	November 4, 1998	<u>Isamu Orita</u>
4) <u>Takashi Matsuzaka</u> Takashi Matsuzaka	November 5, 1998	<u>Isamu Orita</u>
5) <u>Norio Saitou</u> Norio Saitou	November 6, 1998	<u>Isamu Orita</u>
6) <u>Yoshinori Nakayama</u> Yoshinori Nakayama	November 6, 1998	<u>Isamu Orita</u>
7) _____	_____	_____
8) _____	_____	_____
9) _____	_____	_____
10) _____	_____	_____

PATENT

RECORDED: 09/12/2007

REEL: 019816 FRAME: 0664