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DEPARTMENT OF COMMERCE Patent and Trademark Office

Key Docket No. 648.45988X00

103288033

To the Honorable Commissioner of Patents and Trademarks, Department of Commerce, Washington, DC 20503, for recording, documents or copy thereof.

1. Name of conveying party(ies):

Go MIYA Junichi TANAKA  
Seiichiro KANNO Masahito MORI  
Naoshi ITABASHI Naoyuki KOFUJI  
Motohiko YOSHIGAI Go SAITO

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

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) & address(es) attached?  Yes  No

3. Nature of conveyance/ Execution Date: **February 14, 14, 14, 14, 14, 15, 17, 17, 2006.**

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License

Other **CORRECTED ASSIGNMENT --- An error was found in part of the address of the Assignee on Cover Sheet and Not Recordation - Reel 017677/Frame 0386.**

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

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent Registration No.(s)

06/15/2006 01 FC:0021 00111 00000092 11362867 11/362,867 40.00 DP

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 1800**

City: **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

7. Total fee (37 CFR 3.41)..... **\$40.00**

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
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- None required (government interest not affecting title)

8. Payment Information:

a. Credit Card Last 4 numbers:  
Expiration date:

b. Deposit account number: 01-2135

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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.*

**William I. Solomon, Reg#28,565**

Name of Person Signing

Signature

**June 14, 2006**

Date

Total number of pages including cover sheet, attachments, and document: **7**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

**PATENT REEL: 018092 FRAME: 0448**

6-14-06

03-06-2006

WIS-648.45988 X00

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



Attorney Docket No. 648.45988X00

103190194

To the Honorable Commissioner of Patents and Trademarks, Please return the attached original documents or copy thereof.

2-28-06

1. Name of conveying party(ies):  
Go MIYA  
Seiichiro KANNO, Naoshi ITABASHI, Motobiko YOSHIGAI, Junichi TANAKA, Masahito MORI, Naoyuki KOFUJI, Go SAITO

2. Name and address of receiving party(ies)  
Name: **Hitachi High-Technologies Corporation**

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

Street Address: **16-3, Higashi 3-chome, Shibuya-ku Tokyo, Japan**

3. Nature of conveyance/ Execution Date: February 14, 2006, February 14, 2006, February 14, 2006, February 17, 2006, February 14, 2006, February 15, 2006, February 14, 2006, February 17, 2006

City: State: Zip:

- Assignment
- Security Agreement
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other
- Merger
- Change of Name

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):  
application **February 28, 2006.**  
A. Patent Application No.(s)

This document is being filed together with a new

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:

6. Total number of applications and patents involved **1**

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

7. Total fee (37 CFR 3.41)..... **\$40.00**

Internal Address:

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**1300 NORTH 17<sup>TH</sup> STREET - SUITE 1800**

8. Payment Information:

City: **ARLINGTON** State: **VA** Zip **22209**

- a. Credit Card Last 4 numbers: 1156  
Expiration date: 06/09
- b. Deposit account number: 01-2135

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Authorized User Name: **Alfred A. Stadnicki**

**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.*

**William I. Solomon, Reg#28,565**

*William I. Solomon*  
Signature

**02/28/2006**  
Date

Name of Person Signing

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: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

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# ASSIGNMENT (讓渡証)

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 Shimbashi, Minato-ku, Tokyo 105-8717, 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

## PLASMA ETCHING APPARATUS AND PLASMA ETCHING 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 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) MIYA, Go	<i>Go Miya</i>	02/14/ <del>2005</del> <sup>2006</sup>
2) KANNO, Seiichiro	<i>Seiichiro Kanno</i>	02/14/2006
3) ITABASHI, Naoshi	<i>Naoshi Itabashi</i>	02/14/2006
4) YOSHIGAI, Motohiko	<i>Motohiko Yoshigai</i>	02/17/2006
5) TANAKA, Junichi	<i>Junichi Tanaka</i>	02/14/2006
6) MORI, Masahito	<i>Masahito Mori</i>	02/15/2006
7) KOFUJI, Naoyuki	<i>Naoyuki Kofuji</i>	02/14/2006
8) SAITO, Go	<i>Go Saito</i>	02/17/2006
9)		
10)		