

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the original Cover Sheet, the assignee's address is incorrect, previously recorded on Reel 015646 Frame 0194. Assignor (s) hereby confirms the Assignment.

CONVEYING PARTY DATA

Name	Execution Date
Ryoji NISHIO	07/02/2004
Tadamitsu KANEYIKO	07/02/2004
Yoshiyuki OOTA	07/02/2004
Tsuyoshi MATSUMOTO	07/02/2004

RECEIVING PARTY DATA

Name:	Hitachi High-Technologies Corporation
Street Address:	1-24-14, Nishi Shimbashi
Internal Address:	Minato-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	105-8717

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10902032

CORRESPONDENCE DATA

Fax Number: (703)312-6666
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 7033126600
 Email: rperez@antonelli.com
 Correspondent Name: Antonelli, Terry, Stout & Kraus, LLP
 Address Line 1: 1300 N. 17th Street
 Address Line 2: Suite 1800
 Address Line 4: Arlington, VIRGINIA 22209

ATTORNEY DOCKET NUMBER: 648.44122X00

501634873

PATENT
REEL: 026795 FRAME: 0311

OP \$40.00 10902032

NAME OF SUBMITTER:

Leonid D. Thenor

Total Attachments: 5

source=CoverSheet#page1.tif

source=Assignment#page1.tif

source=NoticeOfRecordation#page1.tif

source=NoticeOfRecordation#page2.tif

source=OriginalCoverSheet&Receipt#page1.tif

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

1. Name of conveying party(ies):
Ryoji NISHIO
Tadamitsu KANEKIYO, Yoshiyuki OOTA,
Tsuyoshi MATSUMOTO

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**

3. Nature of conveyance/ Execution Date: July 2, 2004; July 2, 2004;
 July 2, 2004; July 2, 2004.

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other. Corrected Assignment. In the original Cover Sheet, the assignee's address is incorrect. Reel 015646 Frame 0194.

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

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

A. Patent Application No.(s)
10/902,032

This document is being filed together with a new application.

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 17TH 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: 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:
 Expiration date:

b. Deposit account number: 01-2135

Authorized User Name:

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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.

_____ /Leonid D. Thenor/  _____ 08/23/2011

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 5

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

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

METHOD AND APPARATUS FOR PLASMA PROCESSING

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>NISHIO, Ryoji</u> <i>Nishio Ryoji</i>	<u>2nd. July. 2004.</u>
2) <u>KANEKIYO, Tadamitsu</u> <i>Kanekiyo Tadamitsu</i>	<u>2nd. July. 2004</u>
3) <u>OOKA, Yoshiyuki</u> <i>Yoshiyuki Ooka</i>	<u>2nd. July. 2004</u>
4) <u>MATSUMOTO, Tsuyoshi</u> <i>Matsumoto Tsuyoshi</i>	<u>2nd. July. 2004</u>
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEBRUARY 04, 2005

PTAS

ANTONELLI, TERRY, STOUT & KRAUS, LLP
MELVIN KRAUS
1300 NORTH SEVENTEENTH STREET
SUITE 1800
ARLINGTON, VIRGINIA 22209



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/30/2004

REEL/FRAME: 015646/0194
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

NISHIO, RYOJI

DOC DATE: 07/02/2004

ASSIGNOR:

KANEKIYO, TADAMITSU

DOC DATE: 07/02/2004

ASSIGNOR:

OTA, YOSHIYUKI

DOC DATE: 07/02/2004

ASSIGNOR:

MATSUMOTO, TSUYOSHI

DOC DATE: 07/02/2004

ASSIGNEE:

HITACHI HIGH-TECHNOLOGIES
CORPORATION
1-24-14, NISHI SHIMBASHI, MINATO-
KU

TOKYO 1C5-8171, JAPAN

TOKYO 105-8717, JAPAN

015646/0194 PAGE 2

SERIAL NUMBER: 10902032

FILING DATE: 07/30/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD AND APPARATUS FOR PLASMA PROCESSING

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

SEARCHED
SERIALIZED
INDEXED
FILED

PATENT
REEL: 026795 FRAME: 0316

08-06-2004



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302 U.S. PTO 01902032



Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/26)

EET U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office 648-44122X00

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

1. Name of conveying party(ies): NISHIO, RYOJI KANEKIYO, TADAMITSU OOTA, YOSHIYUKI MATSUMOTO, TSUYOSHI

7-30-04

2. Name and address of receiving party(ies) Name: HITACHI HIGH-TECHNOLOGIES CORPORATION

Internal Address: _____

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

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Street Address: 1-24-14, Nishi Shimbashi, Minato-ku, Tokyo 105-8171, Japan

105-8171

City: _____ State: _____ Zip: _____

Execution Date: July 2, 2, 2, 2, 2004.

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

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

If this document is being filed together with a new application, the execution date of the application is: July 2, 2, 2, 2, 2004.

A. Patent Application No.(s)

B. Patent Registration No.(s)

18/902032

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 Seventeenth Street Suite 1800 Arlington, VA 22209 USA

City: _____ State: _____ Zip: _____

6. Total number of applications and patents involved 1

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

01-2135

(Attach duplicate copy of this page if paying by deposit account)

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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.

Melvin Kraus, Reg# 22,466 Name of Person Signing

[Signature] Signature

07/30/2004 Date

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

Mail documents to be recorded with required cover sheet information to: Commissioner of Patent & Trademarks, Box Assignments Washington, D.C. 20231

08/02/2004 SZEWDIE1 00000046 10902032

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