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PATENTS OF



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To the Honorable Commissioner of Patents and Trademark documents or copy thereof.

1. Name of Conveying party(ies): Hiroyuki Akatsu

3. Nature of Conveyance: Assignment

Execution Date: 11/06/98

2. Name & address of receiving party:

Name: International Business Machines Corporation

Street Address: New Orchard Road

City: Armonk State: New York ZIP: 10504



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

Title of Application: WAFER CLEANING SYSTEM WITH PROGRESSIVE MEGASONIC WAVE

If this document is being filed together with a new application, the execution date of the application is: 11/06/98

A. Patent Application No(s).

Docket No. HQ9-97-059

B. Patent No(s)

09 189429

Additional numbers attached? ☐ Yes ☒ No

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

Name: Steven Capella

Street Address:

International Business Machines Corp.  
Intellectual Property Law Dept.  
1580 Route 52  
Dept. 18G / Bldg. 300-482  
Hopewell Junction, New York 12533

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

405

8. Deposit A/C no.: 09-0458 (FI-473)

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

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9. Statement of 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.

Steven Capella, Registration No. 33,086

Name of Person Signing

Telephone No. (914) 894-3669

Signature

Date

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

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231. THE APPLICANT AND/OR ATTORNEY REQUEST THE DATE OF DEPOSIT AS THE FILING DATE.

Express Mail Certificate No: EE443818190US

Date of Deposit: November 10, 1998

Name of Person Making Deposit: RobinAnn Zeno

Signature:

RobinAnn Zeno 11/10/98

# ASSIGNMENT

WHEREAS, we

(1) **Hiroyuki Akatsu**  
County of Westchester

of Yorktown Heights  
State of New York

have invented certain improvements in

## **WAFER CLEANING SYSTEM WITH PROGRESSIVE MEGASONIC WAVE**

and executed a United States patent application therefor on:  
(dates that Inventors signed the declaration)

(1) Nov 6, 1998.


Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire, right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and the invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed

(1) at East Fishkill, NY

on Nov 6, 1998,

  
**Hiroyuki Akatsu**