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102390145

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1. Name of conveying party(ies):

3-11-03

Kunihiko SAKURAI, Hiroshi YOSHIDA and Tetsu  
TOGAWA

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

Name: EBARA CORPORATIONStreet Address: 11-1, Haneda Asahi-cho, Ohta-ku,  
Tokyo, JapanAdditional name(s) of conveying party(ies) attached? No

MAR 1 1 2003

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ OtherExecution Date: February 10, 2003Additional name(s) & address(es) attached? 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:

A. Patent Application No.(s)  
10/342,253, filed January 15, 2003B. Patent No.(s)  
, issuedAdditional numbers attached? No5. Name and address of party to whom correspondence  
concerning document should be mailed:Name: WENDEROTH, LIND & PONACK, L.L.P.  
Attn: Thomas D. Robbins, Esq.Street Address: 2033 K Street, N.W., Suite 800City: Washington, State: DC ZIP: 20006-10216. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41). . . . . \$40.00☒ Enclosed (Check No. 54635)  
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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.*Thomas D. Robbins, Reg. No. 43,369  
Name of Person Signing  
SignatureMarch 11, 2003  
DateTotal number of pages including cover sheet: 3

OMB No. 0651-0011 (exp. 4/94)

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PATENT  
REEL: 013831 FRAME: 0452

# ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Kunihiko SAKURAI, Hiroshi YOSHIDA and Tetsuji TOGAWA

Insert Name(s)  
of Inventor(s)

Insert Name(s)  
of Assignee(s)

the undersigned hereby sell(s) and assign(s) to

EBARA CORPORATION

Address

of 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

POLISHING APPARATUS

Title of  
Invention

for which an application for patent in the United States has been executed by the undersigned on

Date of Signing  
Application

February 10, 2003

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, DC 20006, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date February 10, 2003 Name of Inventor Kunihiko SAKURAI  
Date February 10, 2003 Name of Inventor Hiroshi YOSHIDA  
Date February 10, 2003 Name of Inventor Tetsuji TOGAWA  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Kunichi Sasebe  
Witness Koji Ono

## ACKNOWLEDGMENT

\_\_\_\_\_  
\_\_\_\_\_ } ss

This \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_, before me  
personally came the above-named \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

\_\_\_\_\_  
Official Signature

\_\_\_\_\_  
Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. \_\_\_\_\_ Filing Date \_\_\_\_\_

Applicant Reference No. \_\_\_\_\_ Atty. Docket No. \_\_\_\_\_

Title of Invention \_\_\_\_\_  
\_\_\_\_\_