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Hiroshi SOTOZAKI, Koji ATOH, Yuki INOUE INOUE	and Taspe	Name: EBARA	CORPORATION
Additional name(s) of conveying party(ies) attached? No	DET ?	Street Address	: 11-1 Haneda Asahi-cho, Ohta-ku Tokyo, Japan
3. Nature of conveyance:	200		Tokyo, Japan
X Assignment Merger Security Agreement Change Other Execution Date: December 12, 2000	of Charge Of Ect	Additional name(s) & a	address(es) attached? <u>No</u>
4. Application number(s) or patent number(s):			
If this document is being filed together with a A. Patent Application No.(s) 09/594,787, filed June 16, 2000 Add		3. Patent No.(s)	te of the application is:
5. Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved: One	
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PFDESDurden reporting for this same where sheet is time for reviewing the document and gathering the documents regarding this burden estimate to the U.S. Washington, D.C. 20231, and the Office of Manage 20503.	ata needed, and co . Patent and Trade	empleting and review mark Office, Office	wing the sample cover sheet. Send of Information Systems, PK2-1000C,

PATENT REEL: 011384 FRAME: 0280

ASSIGNMENT

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

Insert Name(s)
of Inventor(s)

Koji ATOH,

Yuki INOUE and

Hiroshi SOTOZAKI,

Tatsuo INOUE

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

Insert Name(s) of Assignee(s)

EBARA CORPORATION

OI WasiRifec(s)

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

SUBSTRATE CLEANING APPARATUS

Title of Invention

(filed on June 16, 2000 under USSN 09/594,787)

Date of Signing of Application

for which an application for patent in the United States has been executed by the undersigned on December 12, 2000

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.

PATENT REEL: 011384 FRAME: 0281 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 December 12, 2000, Name of Inventor Kop ark (Koji ATOH) Date December 12, 2000, Name of Inventor July Unione (Yuki INOUE) Date December 12, 2000, Name of Inventor Taking Triong (Tatsuo INOUE) 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.) ACKNOWLEDGEMENT This ______, day of ______, 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. Official Signature SEAL Official Title The above application may be more particularly identified as follows: U.S. Application Serial No. ______Filing Date _____ Applicant Reference Number _____ Atty Docket No._____

Title of Invention ______

RECORDED: 12/27/2000

PATENT REEL: 011384 FRAME: 0282