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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): KAZUKI KOBAYASHI Name: SHARP KABUSHIKI KAISHA TOSHIAKI MURATANI Address: 22-22 Nagaike-cho, Abeno-ku HIROTO YOSHIOKA ☐ Yes ☒ No Additional names(s) of conveying party(ies) Nature of conveyance: Assignment Merger Security Agreement ☐ Change of Name City: Osaka State/Prov.: ☐ Other Country: Japan ZIP: Execution Date: April 5, 2000 Additional name(s) & address(es) ☐ Yes ⊠ No Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: April 5, 2000 Patent Application No. Filing date B. Patent No.(s) 09/557052 Yes X No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: David G. Conlin 7. Total fee (37 CFR 3.41):....\$ 40.00 27026 Registration No. Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: Dike, Bronstein, Roberts & Cushman, LLP Authorized to be charged to deposit account 130 Water Street 8. Deposit account number: City: Boston State/Prov.: MA 04-1105 ZIP: 02109 Country: USA DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and corres and any attached copy is a true copy of the original document. April 21, 2000 David G. Conlin (Reg. No. 27026) Name of Person Signing Date Signature Total number of pages including cover sheet, attachments,

PATENT

REEL: 010752 FRAME: 0624

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ASSIGNMENT

We Kazuki KOBAYASHI	
and Hiroto YOSHIOKA	
for good and valuable consideration from SHARP	
having its principal place of hysines, a Jap	KABUSHIKI KAISHA
hereinafter called place of business in Osa	ka Janese corporation,
sell assign and the Assignee, receipt of which	is hereby acknowledged
right, title and interest in to and wall	successors and assigns the
right, title and interest in, to and under an app United States Serial No.	lication for Letters Patent of the
Inprovements in ULTRASONIC CLEANING DEVICE	on * signed by us
United States Serial No. for Improvements in <u>ULTRASONIC CLEANING DEVIC</u> including all priority rights ensuing therefrom, a therein set forth and described, and any and all I	E AND RESIST-STRIPPING DEVICE
therein sat family	Ind the inc
and of countries foreign thereto which may be	etters Patent of the United States
and of countries foreign thereto which may be gran with the right to apply for such Letters Patent.	ted thereon or therefor, together
And for the share	
its successors or assigns, to execute and deliver power of attorney, assignment, application, whether	amptly upon request of the Assigned
power of attorney, assignment, application who the	without further compensation any
power of attorney, assignment, application, whether or reissue, or other papers which may be necessary	original, divisional, continuation
or reissue, or other papers which may be necessary Assignee, its successors and assigns, the invention application and all patent rights therein, in the foreign thereto.	is and any of the
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The undersigned hereby grant(s) the law fir Cushman the power to insert on this Assignment which may be necessary or desired.	
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hand and the SS WHEREOF, I, Kazuki KORAVACUT	
11 D DAV OF 3	, hereunto set my
2000, and I, Hiroto Vocatora	, 2000, I, Toshiaki MURATANI eal this 5th day of April
2000, and I, Hiroto YOSHIOKA this 5th day of April	, hereunto set my hand and seal
, 20 <u>00</u> .	
	Kazuli- L
	Fuzuel Kobayaghi
	Foshiaki Muratané
	Hiroto Yoshioka
	Hiroto foshioba
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County ofss.	
County ofss	
Before me thisday of, who is to me personal the foregoing instrument of assignment to be [her] his	10
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his distribution assignment to be [her] his	s free act and deed
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Country of	Notary Public
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refore me thisday of	. 19
the foregoing instrument of accident to me personally	known, and acknowledged
Eefore me thisday of, who is to me personally the foregoing instrument of assignment to be [her] his	free act and deed.
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-	Notary Public
	Cary Public

*Where the application is assigned before it is filed, and hence has no Serial No., this shall be left blank.

RECORDED: 04/21/2000

PATENT REEL: 010752 FRAME: 0625