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| Hiroshi YOSHIOKA | MITSUBISHI DENKI KABUSHIKI KAISHA | | |
| | 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310, Japan | | |
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| ☐ Security Agreement ☐ Change of Names | o man ^F | | |
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| Execution Date: December 13, 1999 | TO ANTE MARTE | | |
| 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) | | | |
| 09/445,811 | | | |
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| 5. Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and registration involved: | | |
| SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC | 7. Total Fee (37 CFR 3.41): \$40.00 | | |
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ASSIGNMENT

| cons | In consideration of the sum of One Dollar (\$1.00), and other good and valuable sideration, the receipt of which is hereby acknowledged, the undersigned, |
|--------------|--|
| | Hiroshi YOSHIOKA |
| here | by sells, assigns and transfers to |
| | MITSUBISHI DENKI KABUSHIKI KAISHA |
| | of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN |
| • | einafter called the Assignee), its successors and assigns, the entire right, title, and rest in and to: |
| (i) | the application for United States Letters Patent entitled CIRCUMFERENTIAL FLOW LIQUID PUMP |
| | which was executed by the undersigned on |
| | or was filed on April 14, 1998 and accorded Serial No. PCT/JP 98/ 01699 (hereinafter called the Application); |
| (ii) | any and all inventions and improvements which are described in the Application; |
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| (iv) | any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and |
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| - | Said Assignee of said patent application and the attorneys appointed to prosecute said interpolation are authorized to insert in this instrument the filing date and serial ber of said application. |
| said | The Commissioner of Patents and Trademarks is authorized to issue any and all of Letters Patent, when granted, to said Assignee. |
| pate reex | Further, it is agreed that, when requested, without charge to but at the expense of Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue nt applications; execute all additional assignments and other writings, including amination papers; and provide all reasonable assistance requested by the Assignee to are and maintain appropriate patent protection. |
| | ENTOR(S): Chi YOSHIOKA) Hiroshi Yeshioka December 13 1999 |
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PATENT REEL: 010512 FRAME: 0509