| 12-14-1999 | | |
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| FORM F10-1595 1-31-92 NRD 12.2.99 | U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office | |
| To the Honorable Commissio. 101221680 | scord the attached original documents or copy thereof. | |
| 1. Name of conveying party(ies): | 2. Name and address of receiving party(ies): | |
| Kiyoshi ARITA | Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. | |
| Hiroshi HAJI | Internal Address: | |
| Additional name(s) of conveying party(ies) attached? Yes X No | | |
| 3. Nature of conveyance: | Street Address: 1006, Oaza Kadoma, Kadoma-shi | |
| Security Agreement Change of Name Other | City: Osaka 571-0050 State: Japan Zip | |
| Execution Date: November 19, 1999 | Additional name(s) & address(es) attached? Yes X No | |
| 4. Application number(s) or patent number(s): 09 452869 | | |
| If this document is being filed together with a new application, the execution date of the application is: November 19, 1999 | | |
| A. Patent Application No.(s) | B. Patent No.(s) | |
| | | |
| | | |
| Additional numbers attached? Yes X No | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: 1 | |
| Name: STEVENS, DAVIS, MILLER & MOSHER, L.L.P. | 7. Total fee (37 CFR 3.41)\$40.00 | |
| Internal Address: Suite 850/JEL 30790 | X Enclosed (Check No. 12517) X Any deficiencies may be charged to deposit account | |
| Street Address: 1615 L Street, N.W. | Authorized to be charged to deposit account | |
| City: Washington State: DC Zip: 20036 | 8. Deposit account number: 19-4375 | |
| | (Attach duplicate copy of this page if paying by deposit account) | |
| 2/13/1999 TTON11 00000088 09452869 DO NOT USE THIS SPACE | | |
| 01 FC:581 40.00 0P | | |
| 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. | | |
| James E. Ledbetter December 2, 1999 Name of Person Signing Signature Registration No. 28,732 Total number of pages including cover sheet, attachments, and document: 2 | | |
| OMB No. 0651-0011 (exp. 4/94) | | |

PATENT REEL: 010429 FRAME: 0263

U.S.A. (JOINT INVENTORS)

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ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Kiyoshi ARITA and Hiroshi HAJI,

citizens of Japan by MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., a corporation organized under the laws of Japan, located at 1006, Oaza Kadoma, Kadoma-shi, Osaka, Japan,

receipt of which is hereby acknowledged, we, the said Kiyoshi ARITA and Hiroshi HAJI,

do hereby sell and assign to said MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.,

the successors and assigns, all our right, title and interest, in and for the United States of America, its in and to "APPARATUS AND METHOD FOR PLASMA ETCHING"

invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith.

and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extentions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.,

their Successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extention, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Signed on the dates indicated aside our signatures:

RECORDED: 12/02/1999

| INVENTORS (発明者フルネームサイン) | Date Signed (署名日) | Witnesses (立会人サイン) |
|------------------------------------|----------------------|-----------------------|
| 1) Kiyoshi Arita (Kiyoshi ARITA | November 19, 1999 | Touaki Mishin cka |
| 2) Hirshi Haji | November 19, 1999 | Temaki Miskinska |
| (Hiroshi HAJÍ 3)(|) | Torucki nitimaka |
| 4)(|) | |
| 5)(|) | |
| 6)(|) | |
| 7)(|) | |
| 8)(|) | PATENT |

REEL: 010429 FRAME: 0264