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101485622

To the Honorable Assistant Secretary and Commissioner of Patents and Trademarks: Please  
or copy(ies) thereof.

1. Name of conveying party(ies): 9-21-00  
Tsuyoshi NAKAMURA; Masahiro OOHASHI; and  
Shunichi KUROMARU  
Additional name(s) of conveying party(ies) attached? No

2. Name and address of receiving party(ies):  
Name: Matsushita Electric Industrial Co., Ltd.  
Street Address: 1006, Oaza Kadoma, Kadoma-shi  
Osaka 571-8501 Japan  
Additional name(s) & address(es) attached? No

3. Nature of conveyance:  
 Assignment                       Merger  
 Security Agreement             Change of Name  
 Other \_\_\_\_\_  
Execution Date: August 22nd and 24th, 2000

4. Application number(s) or patent number(s): 09/600101  
If this document is being filed together with a new application, the execution date of the application is:  
A. Patent Application No.(s)  
09/600,101  
Additional numbers attached? No

B. Patent No.(s)  
, issued  
Additional numbers attached? No

5. Name and address of party to whom correspondence  
concerning document should be mailed:  
Name: WENDEROTH, LIND & PONACK, L.L.P.  
Attn: Nils E. Pedersen, Esq.  
Street Address: 2033 K Street, N.W., Suite 800  
City: Washington, State: DC ZIP: 20006

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41). . . . . \$40.00  
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Authorized to be charged to deposit account  
8. Deposit account number: 23-0975  
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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.*

Nils E. Pedersen, Reg. No. 33,145  
Name of Person Signing

September 21, 2000  
Date

Total number of pages including cover sheet: 3

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# ASSIGNMENT

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

Tsuyoshi NAKAMURA

Masahiro OOHASHI

**Insert Name(s)  
of Inventor(s)**

Shunichi KUROMARU

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

**Insert Name(s)  
of Assignee(s)**

Matsushita Electric Industrial Co., Ltd.

**Address**

of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 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

**Title of  
Invention**

FILTER OPERATION APPARATUS

**Date of Signing  
of Application**

for which an application for patent in the United States has been executed by the undersigned on  
August 22 and 24, 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 continuation 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 Aug. 22, 2000, Name of Inventor Tsuyoshi Nakamura  
 Tsuyoshi NAKAMURA

Date Aug. 24, 2000, Name of Inventor Masahiro Ohashi  
 Masahiro OOHASHI

Date Aug. 22, 2000, Name of Inventor Shunichi Kuromaru  
 Shunichi KUROMARU

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 Masatoshi Matsuo

Witness Hitoshi Fujimoto

### ACKNOWLEDGEMENT

\_\_\_\_\_ }  
 \_\_\_\_\_ } 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 August 4, 2000  
 Applicant Reference Number P-21696-01 Atty Docket No. 2000 1039A  
 Title of Invention FILTER OPERATION APPARATUS