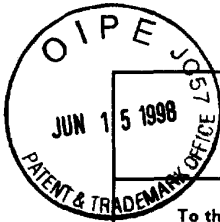


06-26-1998



100748251

## PATENTS RECORDATION COVER SHEET

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

Kikuo TSUNODA  
Hitoshi TADA

Individual

Additional names(s) of conveying party(ies) attached? NO

2. Name and Address of receiving party(ies):

Murata Manufacturing  
Co., Ltd.  
26-10, Tenjin 2-chome  
Nagaokakyo-shi, Kyoto-fu  
Japan

Foreign Corporation

Additional name(s) &amp; address(es) attached? NO

3. Nature of conveyance:

Assignment

Execution Date: March 10, 1998

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. Application No.(s)

08/998,252

B. Patent No.(s)

Additional numbers attached? NO

5. Name and address of party to whom  
correspondence concerning document should  
be mailed:OSTROLENK, FABER, GERB & SOFFEN, LLP  
1180 Avenue of the Americas  
New York, New York 10036-84036. Total number of documents involved:  
One

7. Total fee (37 CFR 3.41): \$ 40.00

Enclosed as part of Check No. 766088

In the event the actual fee is greater than the payment sub-  
mitted or is inadvertently not enclosed or if any additional fee  
due is not paid, the Patent and Trademark Office is authorized  
to charge the underpayment to Deposit Account No. 15-0700.

DO NOT USE THIS SPACE

8. 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.

06/23/1998 KWARLING 00000020-00998252 Meilman

Name of Person Signing

40.00 OP

Signature

June 10, 1998  
Date

Total number of pages including cover sheet, attachments, and document: 2

PATENT

REEL: 9258 FRAME: 0734



PATENT APPLICATION ASSIGNMENT -  
SOLE OR JOINT INVENTORS  
EXECUTED OUTSIDE U.S.A.

OFGS FILE NO. P/1071-453

WHEREAS, I (We), Kikuo TSUNODA and Hitoshi TADA as assignor(s), have invented certain improvements in FILTERING DEVICE for which an application for United States Letters Patent has been executed by me (us) of even date herewith; and

WHEREAS, Murata Manufacturing Co., Ltd., 26-10, Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu, Japan as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I (We), as assignor(s), hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself (ourselves) and my (our) legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

Date: 10 March 1998

Kikuo Tsunoda  
Kikuo TSUNODA

Date: 10 March 1998

Hitoshi Tada  
Hitoshi TADA

LEGALIZATION RECOMMENDED

MISC236631

RECORDED: 06/15/1998

PATENT  
REEL: 9258 FRAME: 0735