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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Docket No.: 2709/OM125



To the Honorable Commissioner of Patents

102260974

1 original documents or copy thereof.

1. Name of conveying party(ies): **10/18/02**  
Suvi TARVAS; Mari PANUMA; Anne ISOHATALA  
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: September 17, 2002; September 17, 2002; September 17, 2002

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

Name: **Filtronic LK Oy**

Internal Address:

Street Address: **Takatie 6**

City: **Kempele** State: **Finland** Zip: **FIN-90440**

Additional name(s) & address(es) attached? ☐ Yes ☒ No

11036 U.S. PRO  
10/273546  
10/18/02

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: September 17, 2002; September 17, 2002; September 17, 2002

A. Patent Application No.(s)

**10273546**

EXPRESS MAIL CERTIFICATE

**10/18/02** **EV208552654-US**

I hereby certify that, on the date indicated above, this paper or B. ~~Patent~~ ~~Protest~~ was filed with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

**DBACK** **Deuk**  
Name (Print) No Signature

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Darby & Darby P.C.

Internal Address: Robert R. Laurenzi

Street Address: Post Office Box 5257

City: New York State: New York Zip: 10150-5257

6. Total number of applications and patents involved: **1**

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

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

04-0100

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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.*

Marie L. Collazo (44,085)  
Name of Person Signing

**Marie L. Collazo**  
Signature

October 18, 2002  
Date

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

**3**

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

**PATENT**  
**REEL: 013405 FRAME: 0197**

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged,

(hereinafter designated as the undersigned) hereby sell(s) and assign(s) to

Filtronic LK Oy

of

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee), the entire right, title and interest in the invention or improvements in

INTERNAL MULTIBAND ANTENNA

for which an application for Letters Patent of the United States of America has been executed by the undersigned on

;

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 or letters patent or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceedings with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the 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 Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the 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.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite the undersigned name(s).

Dated: 17 Sept 2002

Suvi Tarvas  
Suvi Tarvas, Inventor

Dated: 17 Sept 2002

Mari Panuma  
Mari Panuma, Inventor

Dated: 17 Sept 2002

Anne Isohäätä  
Anne Isohäätä, Inventor

Dated: \_\_\_\_\_

\_\_\_\_\_, Inventor

ASSIGN.10