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FORM COVER SHEET

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To the Honor

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Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Panu HAGSTRÖM

01/04/02

Additional name(s) of conveying party(ies) attached? Yes No

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

Name: FILTRONIC LK OY

Internal Address:

Street Address: Takatie 6

City: Kempela State: Finland Zip: FIN-90440

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: 5 December 2001

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: 4 January, 2002

EXPRESS MAIL CERTIFICATE

Date: 1/4/02 Label No. 27677213830S

A. Patent Application No.(s)

I hereby certify that, on the date indicated above, this paper or Patent Application 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.

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

Name: Darby & Darby P.C.

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6. Total number of applications and patents involved:

1

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

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PATENT
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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 Kempele, Finland

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

STRUCTURE OF A RADIO-FREQUENCY FRONT END

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: 5 December 2001


Panu Hagström , Inventor

Dated: _____

, Inventor

Dated: _____

, Inventor

Dated: _____

, Inventor

ASSIGN.10