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PTO-1595 (Rev. 03/01) **RECO**  102550322

3. DEPARTMENT OF COMMERCE
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OMB No. 0651-0027 (exp. 5/31/2002)

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

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| <p>1. Name of conveying party(ies): Seppo Ojantakanen (08/26/2003) and Timo Leppaluoto (08/26/2003)</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | <p>2. Name and address of receiving party(ies) Name: <u>Filtronic LK OY</u> Internal Address: _____ Street Address: _____ Takatie 6</p> <p>City: <u>Kempele</u> Country: <u>Finland</u> Zip: <u>FIN-90440</u></p> <p>Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> |
| <p>3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: <u>see Box 1, conveying parties</u></p> | |

4. Application number(s) or patent number(s):


If this document is being filed together with a new application, the execution date of the new application is: _____

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|---|--------------------------|
| <p>A. Patent Application No.(s): 10/408,048</p> | <p>B. Patent No.(s):</p> |
| <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | |

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| <p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: Melvin C. Garner DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 02709/000M616-USO Street Address: P.O. Box 5257</p> <p>City: <u>New York</u> State: <u>NY</u> Zip: <u>10150-5257</u></p> | <p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Authorized to be charged to credit card (Form 2038 enclosed)</p> <p>8. Deposit account number: <u>04-0100</u> (Attach duplicate copy of this page if paying by deposit account)</p> |
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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.

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| <p>Melvin C. Garner - 26,272 Name of Person Signing</p> |  MARIE GILFILLAN Signature <u>44085</u> | <p>September 9, 2003 Date</p> |
|---|---|-----------------------------------|

Total number of pages including cover sheet, attachments, and documents: 3

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PATENT REEL: 014474 FRAME: 0436

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

Antenna with variable directional pattern

for which an application for Letters Patent of the United States of America has been executed by the undersigned on **4 April 2003**

; Serial No. 10/408,048

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: 26 August 2003

Seppo Ojantakka
Seppo Ojantakka, Inventor

Dated: 26 August 2003

Timo Leppaluoto
Timo Leppaluoto, Inventor

Dated: _____

_____, Inventor

Dated: _____

_____, Inventor

ASSIGN.10