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(54) **High-frequency component**

(57) A high-frequency component is provided that can easily realize a higher characteristic impedance of a transmission line which constitutes an inductance element, that can be formed into a smaller size, and that has excellent frequency characteristics. In the high-frequency component, a high-pass filter (F1) formed of a transmission line (L1) and three capacitors (C1 - C3) is connected between a first port (P1) and a second port (P2), and a low-pass filter (F2) formed of another transmission line (L2), which is an inductance element, and two capacitors (C4, C5), which are capacitance elements, is connected between the first port (P1) and the third port (P3).

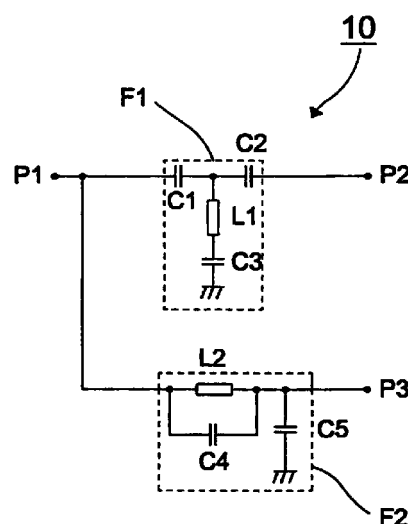


FIG.1

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EUROPEAN SEARCH REPORT

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| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cls) |
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| A | US 5 404 118 A (OKAMURA ET AL.) 4 April 1995 (1995-04-04) * column 2, line 46 - column 3, line 2 * * column 7, line 4 - column 9, line 60; figures 9,10 * | 1 | <div>TECHNICAL FIELDS SEARCHED (Int.Cls)</div> <div>H01P</div> |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 1 March 2000 | Examiner Den Otter, A |
| <div>CATEGORY OF CITED DOCUMENTS</div> <div> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document </div> | | | |

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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