

Title (en)
HIGH-FREQUENCY FILTER

Title (de)
HOCHFREQUENZFILTER

Title (fr)
FILTRE HAUTE FREQUENCE

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Application
EP 05786313 A 20050915

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Abstract (en)
[origin: WO2006029868A1] The invention relates to a high-frequency filter that has the following features: a substrate (1) is provided that is made of dielectric material and comprises a first face (1e) and an opposite second face (1a); at least one stripline (6) is applied to the first face (1e) of the substrate (1); at least one resonator (2) is provided which is electrically coupled to the at least one stripline (6); a ground area (1a) is provided that is spaced apart from the stripline (6); the at least one resonator (2) is embodied as a coaxial resonator comprising an outer conductor pot (3) and a substantially rod-shaped inner conductor (4) which is disposed coaxially in the outer conductor pot; the outer conductor pot (3) is galvanically connected to the ground area (1a); a first end (4a) of the inner conductor (4) is galvanically connected to the bottom (3a) of the outer conductor pot (3); the resonator (2) is electrically coupled to the at least one stripline (6) via an opposite second end (4b) of the inner conductor (4).

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