

Title (en)
ELECTRONICALLY ADJUSTABLE HIGH-FREQUENCY FILTER

Title (de)
ELEKTRONISCH EINSTELLBARES HOCHFREQUENZ-FILTER

Title (fr)
FILTRE HAUTE FRÉQUENCE À RÉGLAGE ÉLECTRONIQUE

Publication
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Application
EP 21735861 A 20210615

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Abstract (en)
[origin: WO2021255004A1] The present invention relates to an electronically adjustable HF filter, comprising a resonance structure, which is formed by a strip line (2) and has at least one perturbation (3). The strip line (2) forms a closed square loop having a rectangular recess on each side. For electronic adjustability, a passive tunable integrated circuit (4) is arranged at an inner corner of each recess. The proposed HF filter can be made compact, has low insertion loss, and has low variation in amplitude over the center-frequency adjustment range.

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