

Title (en)

TUNING DEVICE WITH VARIABLE CAPACITY AND TUNABLE MICROWAVE FILTER WITH AT LEAST ONE SUCH DEVICE

Publication

EP 0035922 B1 19840620 (FR)

Application

EP 81400240 A 19810217

Priority

FR 8004833 A 19800304

Abstract (en)

[origin: US4380747A] The invention relates to ultra-high frequency filters with variable capacitance tuning devices tunable in a wide frequency range. Each tuning device comprises two coaxial fingers, namely a fixed finger and a finger movable in the filter body. One of these fingers is hollow and the other has a tuning plunger, whose end is cylindrical and which is displaceable, e.g. by screwing in the body of the finger. The minimum capacitance obtained with a minimum penetration of the plunger, its end being level in the vicinity of the end of the corresponding finger, is adjustable by displacing the movable finger relative to the fixed finger. The supplementary variable capacitance is obtained by plunging the tuning plunger into the hollow finger.

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IPC 8 full level

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CPC (source: EP US)

H01P 1/205 (2013.01 - EP US); **H01P 1/219** (2013.01 - EP US); **H01P 7/04** (2013.01 - EP US)

Citation (examination)

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