

Title (en)
HF STRIPLINE RESONATOR

Title (de)
HF-STREIFENLEITUNGSRESONATOR

Title (fr)
RESONATEUR A LIGNE TRIPLAQUE HF

Publication
EP 0777919 B1 19980603 (DE)

Application
EP 95928965 A 19950823

Priority
• DE 9501115 W 19950823
• DE 4430988 A 19940831

Abstract (en)
[origin: WO9607214A1] In order to compensate for changes in the resonant frequency of the resonator arising from variations in the distance between the reference distance (dS) and an actual distance (dS+/- DELTA dS) in HF stripline resonators with a stripline (10) arranged at a reference distance (dS) from a metal conductor (11), the stripline (10) is curved. The curvature induces eddy currents in the conductor (11) which reduce the inductance of the HF stripline resonator. The shorter/longer the distance between the stripline and the metal conductor, the smaller/greater the inductance. As the shortening/lengthening of the distance between two conductors also increases/reduces the capacitance of the HF stripline, however, with the appropriate dimensions of the curved stripline, the two effects cancel each other out and the frequency of the HF stripline resonator is virtually stable with the aforementioned distance variations. The two effects cancel each other out and the frequency of the HF stripline resonator is virtually stable with the aforementioned distance variations.

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H01P 7/08 (2006.01); **H03H 5/02** (2006.01)

CPC (source: EP)
H01P 7/082 (2013.01); **H01P 7/084** (2013.01)

Citation (examination)
• GB 2222312 A 19900228 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• DE 3424824 A1 19860116 - TELETTRA LAB TELEFON [IT]

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WO 9607214 A1 19960307; AT E167004 T1 19980615; AU 3252395 A 19960322; AU 684994 B2 19980108; CA 2198614 A1 19960307; CA 2198614 C 20000418; CN 1090828 C 20020911; CN 1157060 A 19970813; DE 4430988 A1 19960321; DE 59502431 D1 19980709; EP 0777919 A1 19970611; EP 0777919 B1 19980603; ES 2117436 T3 19980801; FI 970830 A0 19970227; FI 970830 A 19970227; JP 2814747 B2 19981027; JP H09508779 A 19970902

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