

Title (en)
CAPACITIVE CROSS-COUPLING STRUCTURE AND CAVITY FILTER

Title (de)
KAPAZITIVE KREUZKOPPLUNGSSTRUKTUR UND HOHLRAUMFILTER

Title (fr)
STRUCTURE DE COUPLAGE TRANSVERSAL CAPACITIF ET FILTRE À CAVITÉ

Publication
EP 3823090 A4 20220420 (EN)

Application
EP 19835085 A 20190611

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Abstract (en)
[origin: EP3823090A1] A capacitive cross-coupling structure and a cavity filler are disclosed in the present disclosure, which can enhance the coupling amount and expanding the capacitive coupling adjustable range. The capacitive cross-coupling structure is used for coupling energies of a first resonator and a second resonator, and includes :an insulating support base disposed between the first resonator and the second resonator; and a coupling fly bar disposed on the insulating support base, the coupling fly bar including a first coupling part disposed between the first resonator and the insulating support base anda second coupling part disposed between the second resonator and the insulating support base; one end of the first coupling part being far away from the insulating support base is grounded, and one end of the second coupling part being far from the insulating support base is suspended and spaced apart from the second resonator at an interval.

IPC 8 full level
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Citation (search report)
• [XAI] CN 201417813 Y 20100303 - MOBILE ANTENNA TECH SHENZHEN
• [XAI] WO 2017095035 A1 20170608 - KMW INC [KR]
• [A] EP 1895615 A1 20080305 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• [A] US 2004108919 A1 20040610 - SNYDER RICHARD V [US]
• See also references of WO 2020010984A1

Designated contracting state (EPC)
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