Title (en)

Input coupling adjustment arrangement for radio frequency filters

Title (de)

Justiervorrichtung für die Kopplungseinstellung von Funkfrequenzfilter

Title (fr)

Dispositif d'ajustement de couplage d'entrée de filtres à fréquence radio

Publication

EP 0817301 A1 19980107 (EN)

Application

EP 97110682 A 19970701

Priority

AU PO076496 A 19960701

Abstract (en)

An arrangement for adjustably coupling a radio frequency input port to a resonator element of the filter. The arrangement comprises a resilient conductor (19) which extends from the input port (15) into the electric field of a resonator element (2). The remote end of the resilient conductor resiliently abuts the point (20) of an adjustment screw (20a). Operating the screw moves the resilient conductor in relation to the electric field and alters the capacitive coupling between the input port and the resonator element for fine tuning the impedance match of the input to the filter. <IMAGE>

IPC 1-7

H01P 1/205; H01P 5/04

IPC 8 full level

H01P 1/205 (2006.01); **H01P 5/04** (2006.01)

CPC (source: EP)

H01P 1/2053 (2013.01); **H01P 5/04** (2013.01)

Citation (search report)
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Designated contracting state (EPC)

DE DK FI FR IT SE

DOCDB simple family (publication)

EP 0817301 A1 19980107; **EP 0817301 B1 20020911**; AU PO076496 A0 19960725; CA 2209419 A1 19980101; CA 2209419 C 20000815; DE 69715329 D1 20021017; DE 69715329 T2 20030522

DOCDB simple family (application)

EP 97110682 A 19970701; AU PO076496 A 19960701; CA 2209419 A 19970630; DE 69715329 T 19970701