

Title (en)
MICROWAVE FILTER WITH MULTIPLE COUPLED CAVITY RESONATORS

Publication
EP 0250858 B1 19930714 (DE)

Application
EP 87107534 A 19870523

Priority
DE 3621298 A 19860625

Abstract (en)
[origin: US4772863A] A microwave filter composed of a plurality of cylindrical cavity resonators each having a side wall extending parallel to the direction of wave propagation in the resonator, wherein the cavity resonators are disposed with their side walls in contact with one another in a compact cylinder pack arrangement so that the side wall of each cavity resonator is in contact with the side wall of the maximum number of other mutually adjacent resonators, and coupling structures connecting resonators whose side walls are in contact, via the contacting side walls, for coupling electromagnetic energy between the resonators.

IPC 1-7
H01P 1/208

IPC 8 full level
H01P 1/208 (2006.01)

CPC (source: EP US)
H01P 1/208 (2013.01 - EP US)

Cited by
EP0752732A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0250858 A2 19880107; EP 0250858 A3 19881207; EP 0250858 B1 19930714; CA 1271533 A 19900710; DE 3621298 A1 19880107; DE 3786495 D1 19930819; US 4772863 A 19880920

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EP 87107534 A 19870523; CA 540337 A 19870623; DE 3621298 A 19860625; DE 3786495 T 19870523; US 6556587 A 19870623