

Title (en)

Wave Filter having two or more coaxial dielectric resonators in juxtaposition

Title (de)

Wellenfilter mit zwei oder mehr sich gegenüberliegenden dielektrischen Koaxialresonatoren

Title (fr)

Filtre d'ondes avec deux ou plusieurs résonateurs coaxiaux diélectriques en juxtaposition

Publication

EP 0923149 A1 19990616 (EN)

Application

EP 98310006 A 19981207

Priority

JP 36299497 A 19971212

Abstract (en)

A wave filter of the kind having at least two dielectric resonators (1a, 2a) in juxtaposition, each resonator having a tubular dielectric body (3a, 3b) on which there are formed an inner conductor (4a, 4b), an outer conductor (5a, 5b) and various other conductors including a resonator coupling conductor (7a, 7b). The outer conductors and resonator coupling conductors on both dielectric bodies are soldered or otherwise coupled together both mechanically and electrically. The confronting side surfaces (13a, 13b) of the dielectric bodies (3a, 3b) have formed thereon nonconductor regions (17a, 17b) of a larger area than heretofore, such that the dielectric resonators are inductively, in addition to capacitively, coupled together.

IPC 1-7

H01P 1/205

IPC 8 full level

H01P 1/205 (2006.01)

CPC (source: EP)

H01P 1/2053 (2013.01)

Citation (search report)

- [A] EP 0208424 A1 19870114 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] EP 0563987 A1 19931006 - SANYO ELECTRIC CO [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 95, no. 4 31 May 1995 (1995-05-31) & US 5737696 A 19980407 - YORITA TADAHIRO [JP]

Designated contracting state (EPC)

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