

Title (en)

A dielectric resonator structure providing harmonic attenuation

Title (de)

Dielektrische Resonatorstruktur mit Dämpfung der Harmonischen

Title (fr)

Structure diélectrique de résonateur avec atténuation des harmoniques

Publication

**EP 0785592 A1 19970723 (EN)**

Application

**EP 97300227 A 19970115**

Priority

FI 960277 A 19960119

Abstract (en)

The harmonic multiples of the operating frequency of a dielectric filter are attenuated by a non-conducting pattern, which is formed on one (19) or more side faces of a housing block (12) which are otherwise coated with a conducting material. The pattern may consist of linear areas (20,22), the optimum width of which is approximately 1 mm. <IMAGE>

IPC 1-7

**H01P 1/205**; **H01P 7/04**; **H01P 1/212**

IPC 8 full level

**H01P 1/205** (2006.01); **H01P 1/212** (2006.01); **H01P 7/04** (2006.01)

CPC (source: EP)

**H01P 1/2056** (2013.01); **H01P 1/212** (2013.01); **H01P 7/04** (2013.01)

Citation (applicant)

- US 4506241 A 19850319 - MAKIMOTO MITSUO [JP], et al
- US 4455503 A 19840619 - NAKATANI HIROSHI [JP]
- US 4431977 A 19840214 - SOKOLA RAYMOND L [US], et al

Citation (search report)

- [A] EP 0524011 A2 19930120 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] US 5436602 A 19950725 - MCVEETY THOMAS [US], et al
- [A] EP 0645836 A1 19950329 - NGK SPARK PLUG CO [JP]
- [PX] EP 0743696 A1 19961120 - MURATA MANUFACTURING CO [JP]
- [A] Y. ISOTA ET AL.: "A grooved monoblock comb-line filter suppressing the third harmonics", 1987 IEEE MTT-S INTERNATIONAL MICROWAVE SYMPOSIUM-DIGEST, 9 June 1987 (1987-06-09) - 11 June 1987 (1987-06-11), LAS VEGAS (US), pages 383 - 386, XP002030374
- [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 239 (E - 276)<1676> 2 November 1984 (1984-11-02)

Cited by

EP2669994A1; CN115483517A; WO2022253019A1

Designated contracting state (EPC)

DE DK FR GB SE

DOCDB simple family (publication)

**EP 0785592 A1 19970723**; FI 960277 A0 19960119; FI 960277 A 19970720

DOCDB simple family (application)

**EP 97300227 A 19970115**; FI 960277 A 19960119