

Title (en)

Cavity resonator, use of the cavity resonator in a oscillation circuit

Title (de)

Hohlraumresonator, Verwendung eines Hohlraumresonators und Oszillatorschaltung

Title (fr)

Resonateur à cavité, utilisation du resonateur aux un circuit oscillateur

Publication

EP 1603187 B1 20080416 (DE)

Application

EP 04013104 A 20040603

Priority

EP 04013104 A 20040603

Abstract (en)

[origin: EP1603187A1] A pot (21) has a first material with a first temperature expansion coefficient (TEC). A cover (22) has a second material with a second TEC greater than the first TEC. If the temperature rises, the pot expands and the cover distorts so that both cause enlargement in a cavity resonance volume (V). An independent claim is also included for an oscillator circuit integrated into a ceramic substrate like a low-temperature co-fired multilayered ceramic.

IPC 8 full level

H01P 7/06 (2006.01)

CPC (source: EP US)

H01P 7/06 (2013.01 - EP US)

Cited by

CN102251944A; EP2762269A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1603187 A1 20051207; EP 1603187 B1 20080416; DE 502004006842 D1 20080529; HK 1085572 A1 20060825; IL 179793 A0 20070515; IL 179793 A 20121031; JP 2008502179 A 20080124; JP 4443603 B2 20100331; US 2009278631 A1 20091112; US 8035465 B2 20111011; WO 2005119833 A1 20051215

DOCDB simple family (application)

EP 04013104 A 20040603; DE 502004006842 T 20040603; EP 2005005900 W 20050601; HK 06106127 A 20060526; IL 17979306 A 20061203; JP 2007513848 A 20050601; US 56987905 A 20050601