

Title (en)

Adjustable temperature compensation system for microwave resonators.

Title (de)

Regelbares temperaturkompensiertes System für Mikrowellenresonatoren

Title (fr)

Système de compensation en température réglable pour résonateur micro-ondes

Publication

**EP 1655802 A1 20060510 (FR)**

Application

**EP 05110380 A 20051104**

Priority

FR 0452568 A 20041109

Abstract (en)

The device has a temperature compensation system (20) with bars (21, 22) made of a material with low thermal expansion rate with respect to the material in which a cavity of a microwave resonator is made. The system has a screw (40), made of the material with low thermal expansion rate, to modify the volume of the cavity to adjust resonant frequency of the cavity to remain in a preset dead zone.

IPC 8 full level

**H01P 7/06** (2006.01)

CPC (source: EP US)

**H01P 7/06** (2013.01 - EP US)

Citation (search report)

- [DX] EP 1187247 A2 20020313 - COM DEV LTD [CA]
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- [A] US 4706053 A 19871110 - GIAVARINI ANDREA [IT]
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1655802 A1 20060510; EP 1655802 B1 20091014**; AT E445920 T1 20091015; CA 2523371 A1 20060509; CA 2523371 C 20110125; CN 1812188 A 20060802; CN 1812188 B 20130403; DE 602005017108 D1 20091126; ES 2334038 T3 20100304; FR 2877773 A1 20060512; FR 2877773 B1 20070504; US 2006097827 A1 20060511; US 7453337 B2 20081118

DOCDB simple family (application)

**EP 05110380 A 20051104**; AT 05110380 T 20051104; CA 2523371 A 20051014; CN 200510117191 A 20051102; DE 602005017108 T 20051104; ES 05110380 T 20051104; FR 0452568 A 20041109; US 26862105 A 20051108