

Title (en)

Microwave resonant cavity

Title (de)

Mikrowellenresonanzhohlraum

Title (fr)

Cavité à hyper-fréquences résonnante

Publication

**EP 2838105 A1 20150218 (EN)**

Application

**EP 13180725 A 20130816**

Priority

EP 13180725 A 20130816

Abstract (en)

A microwave resonant cavity (10) includes a conductive shell (20) with a screw hole (21) having first threads (23) and a screw (30) having second threads (33) configured to engage with the screw hole. The conductive shell defines a volume, the screw extends into the volume, the microwave resonant cavity has a resonant frequency, and the movement of the screw changes the resonant frequency. The first threads have a first pitch, and at least a portion of the second threads has a second pitch different from the first pitch.

IPC 8 full level

**H01J 23/207** (2006.01)

CPC (source: EP)

**H01J 23/207** (2013.01)

Citation (search report)

- [X] US 3103609 A 19630910
- [A] EP 0125450 A2 19841121 - NORTHERN TELECOM LTD [CA]
- [A] US 5422541 A 19950606 - TSUIDA SHUNJI [JP]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2838105 A1 20150218; EP 2838105 B1 20160420**

DOCDB simple family (application)

**EP 13180725 A 20130816**