

Title (en)  
Cavity resonator

Title (de)  
Hohlraumresonator

Title (fr)  
Résonateur de cavité

Publication  
**EP 2337149 A1 20110622 (EN)**

Application  
**EP 09360053 A 20091216**

Priority  
EP 09360053 A 20091216

Abstract (en)  
A resonator comprises a substrate and a body mounted on the substrate. The arrangement of the body and the substrate defines a resonant cavity. The resonator further comprises a stub which extends into the resonant cavity. The resonant cavity has a capacitance predominantly defined by a capacitance gap between the stub and a surface of the resonant cavity. The resonator further comprises an alignment error reducing structure operable to prevent more than one component mounting induced variation in the capacitance gap.

IPC 8 full level  
**H01P 7/04** (2006.01)

CPC (source: EP)  
**H01P 7/04** (2013.01)

Citation (applicant)  
• US 2008067948 A1 20080320 - HESSELBARTH JAN [IE]  
• WO 9930383 A2 19990617 - LK PRODUCTS OY [FI], et al

Citation (search report)  
• [XY] US 2008067948 A1 20080320 - HESSELBARTH JAN [IE]  
• [Y] WO 9930383 A2 19990617 - LK PRODUCTS OY [FI], et al  
• [X] US 2008068104 A1 20080320 - HESSELBARTH JAN [IE]  
• [X] EP 1903631 A1 20080326 - MT S R L [IT]  
• [A] WO 0013256 A2 20000309 - ALLGON AB [SE], et al  
• [A] JP H08195607 A 19960730 - KOKUSAI ELECTRIC CO LTD

Cited by  
US8884725B2; US9178256B2

Designated contracting state (EPC)  
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 SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
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