

Title (en)

BASE BODY FOR A YIG FILTER OR YIG OSCILLATOR

Title (de)

GRUNDKÖRPER FÜR EINEN YIG-FILTER ODER YIG-OSZILLATOR

Title (fr)

CORPS DE BASE POUR UN FILTRE YIG OU UN OSCILLATEUR YIG

Publication

EP 1771915 B1 20090121 (DE)

Application

EP 05810897 A 20051115

Priority

- EP 2005012263 W 20051115
- DE 102004056257 A 20041122

Abstract (en)

[origin: WO2006056343A1] The invention relates to a base body (2) for a YIG bandpass filter (1) or a YIG oscillator, consisting of a non-magnetic material. Said body comprises filter chambers (3), which are interconnected by channels (6) and contain YIG elements (4) that are electromagnetically coupled by coupling loops (5) in the filter chambers (3). Slots (11) and (12) are configured in the base body (2), into which extend contact lugs (10) that are connected to the coupling loops (5). Recesses (9) intersect the slots (11) and (12) and house solder. The contact lugs (10) are fixed in the recesses (9) by means of said solder.

IPC 8 full level

H01P 1/218 (2006.01)

CPC (source: EP US)

H01P 1/218 (2013.01 - EP US)

Cited by

CN108767412A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

DE 102004056257 A1 20060524; DE 502005006542 D1 20090312; EP 1771915 A1 20070411; EP 1771915 B1 20090121; JP 2008521300 A 20080619; JP 4801672 B2 20111026; US 2008117002 A1 20080522; US 7557678 B2 20090707; WO 2006056343 A1 20060601

DOCDB simple family (application)

DE 102004056257 A 20041122; DE 502005006542 T 20051115; EP 05810897 A 20051115; EP 2005012263 W 20051115; JP 2007541773 A 20051115; US 66792505 A 20051115