

Title (en)  
Microwave resonator

Title (de)  
Mikrowellenresonator

Title (fr)  
Résonateur à micro ondes

Publication  
**EP 1349232 A3 20031112 (DE)**

Application  
**EP 03006616 A 20030325**

Priority  
DE 10213766 A 20020327

Abstract (en)  
[origin: EP1349232A2] Near an end face or edge, the conductive layer (3) includes penetrating bores (2). It covers both sides. It also covers inner surfaces of the bores, electrically-connecting the layers on both sides. The signal input (13) region of the substrate (12) borders an insulated region lying opposite another part of the layer (3).

IPC 1-7  
**H01P 7/06; H01P 7/08**

IPC 8 full level  
**H01P 7/06** (2006.01)

CPC (source: EP)  
**H01P 7/065** (2013.01)

Citation (search report)

- [X] US 4727342 A 19880223 - ISHIKAWA YOUNHEI [JP], et al
- [X] EP 0487396 A1 19920527 - VALTRONIC FRANCE [FR]
- [A] US 5208561 A 19930504 - DELESTRE XAVIER [FR], et al
- [A] US 4771291 A 19880913 - LO YUEN T [US], et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 02 26 February 1999 (1999-02-26)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1349232 A2 20031001; EP 1349232 A3 20031112; EP 1349232 B1 20070418;** AT E360267 T1 20070515; DE 10213766 A1 20031016;  
DE 10213766 B4 20170112; DE 50307048 D1 20070531; ES 2286346 T3 20071201

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**EP 03006616 A 20030325;** AT 03006616 T 20030325; DE 10213766 A 20020327; DE 50307048 T 20030325; ES 03006616 T 20030325