

Title (en)  
Dual mode ring resonator

Title (de)  
Dual-Mode Ringresonator

Title (fr)  
Résonateur annulaire à double mode

Publication  
**EP 0973227 A3 20010718 (DE)**

Application  
**EP 99105634 A 19990319**

Priority  
DE 19831161 A 19980711

Abstract (en)  
[origin: EP0973227A2] The dual mode ring resonator used in microwave applications has a conductor ring in the form of a closed ring (1) of rectangular shape with rounded corners (2-5). This is located between an input (8) and an output (9) line. The length of the ring is such that the resonator operates with odd harmonics.

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

IPC 8 full level  
**H01P 7/08** (2006.01)

CPC (source: EP US)  
**H01P 7/082** (2013.01 - EP US)

Citation (search report)

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- [A] US 5703546 A 19971230 - TAKAHASHI KAZUAKI [JP], et al
- [A] EP 0844682 A1 19980527 - MATSUSHITA ELECTRIC IND CO LTD [JP]
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- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 06 28 June 1996 (1996-06-28)
- [A] HONG J S ET AL: "REALISATION OF QUASIELLIPTIC FUNCTION FILTER USING DUAL-MODE MICROSTRIP SQUARE LOOP RESONATORS", ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 31, no. 24, 23 November 1995 (1995-11-23), pages 2085 - 2086, XP000548186, ISSN: 0013-5194

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CN109546272A

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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**EP 0973227 A2 20000119; EP 0973227 A3 20010718; EP 0973227 B1 20080123**; DE 19831161 A1 20000127; DE 59914617 D1 20080313; US 6218915 B1 20010417

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**EP 99105634 A 19990319**; DE 19831161 A 19980711; DE 59914617 T 19990319; US 29138399 A 19990414