

Title (en)
MICROWAVE JUNCTION-CIRCULATOR

Publication
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Application
EP 87109522 A 19870702

Priority
DE 3633908 A 19861004

Abstract (en)
[origin: US4810979A] A junction circulator suitable for high power, high-frequency use has a microwave junction zone which is penetrated by a static magnetic field. Disposed in the microwave junction zone is a ferromagnetic resonator composed of different dielectric media, at least one of which has ferromagnetic characteristics. The interfaces between the various dielectric media form three-dimensional bodies which extend over the entire height of the junction zone and which have cross sections that do not change in the direction of the static magnetic field. These interfaces may be provided by parallel ferrite rods, or a ferrite body with parallel bores.

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H01P 1/30; **H01P 1/387**; **H01P 1/39**

IPC 8 full level
H01P 1/30 (2006.01); **H01P 1/387** (2006.01); **H01P 1/39** (2006.01)

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