

Title (en)
INTEGRATED MICROWAVE CIRCULATOR

Publication
EP 0278867 B1 19920513 (FR)

Application
EP 88400293 A 19880209

Priority
FR 8701865 A 19870213

Abstract (en)
[origin: US4808949A] A hyperfrequency circulator is provided in which the gyrator is integrated in the wave-guide, comprising a wave-guide whose two main faces are pierced with two holes, aligned with the center of symmetry of the junction. Through these holes a one-piece gyrator passes formed by at least one magnet, a pole piece, a solid dielectric resonator and a second pole piece. The gyrator is cylindrical in shape, and the pole pieces each have a flange of the same diameter as the holes in the wave-guide, the cooling plates immobilizing the one piece gyrator in the wave-guide.

IPC 1-7
H01P 1/39

IPC 8 full level
H01P 1/39 (2006.01)

CPC (source: EP US)
H01P 1/39 (2013.01 - EP US)

Cited by
EP2221911A1; US8193872B2

Designated contracting state (EPC)
DE GB IT

DOCDB simple family (publication)
EP 0278867 A1 19880817; EP 0278867 B1 19920513; DE 3870902 D1 19920617; FR 2611089 A1 19880819; FR 2611089 B1 19890224; US 4808949 A 19890228

DOCDB simple family (application)
EP 88400293 A 19880209; DE 3870902 T 19880209; FR 8701865 A 19870213; US 15391588 A 19880209