

Title (en)  
**MICROWAVE CIRCULATOR**

Publication  
**EP 0197476 B1 19920909 (DE)**

Application  
**EP 86104356 A 19860329**

Priority  
DE 3512142 A 19850403

Abstract (en)  
[origin: EP0197476A2] An easily manufactured microwave circulator having a dielectric substrate (2), carrying a strip-line branching network (1) and a ferrite disc (4), which is inserted in a cut-out (3) underneath the strip-line branching network (1) and at least partially penetrating the substrate (2), is produced by the substrate (2) being fitted with its side opposite to the strip-line branching network (1) on a metal plate (5), the metal plate (5) having a through-hole (6), into which the ferrite disc (4) protruding into the cut-out (3) of the substrate (2) continues, and the hole opening being covered by an electrically conductive disc (7). <IMAGE>

IPC 1-7  
**H01P 1/387**

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

CPC (source: EP)  
**H01P 1/387** (2013.01)

Cited by  
US11152677B2; CN103855456A; AU598595B2; EP0962980A1; FR2779576A1

Designated contracting state (EPC)  
AT CH DE LI NL SE

DOCDB simple family (publication)  
**EP 0197476 A2 19861015; EP 0197476 A3 19880831; EP 0197476 B1 19920909**; AT E80500 T1 19920915; DE 3512142 A1 19861009; DE 3686663 D1 19921015

DOCDB simple family (application)  
**EP 86104356 A 19860329**; AT 86104356 T 19860329; DE 3512142 A 19850403; DE 3686663 T 19860329