

Title (en)  
Microwave rotating switch.

Title (de)  
Mikrowellen-Drehschalter.

Title (fr)  
Commutateur rotatif aux hyperfréquences.

Publication  
**EP 0162334 A2 19851127 (DE)**

Application  
**EP 85105113 A 19850426**

Priority  
DE 3419534 A 19840525

Abstract (en)  
[origin: US4649355A] A rotary microwave switch is composed of a housing having a side wall, a housing interior cavity, and a plurality of waveguide ports distributed around the side wall. A rotor having at least one rotor cavity is mounted within the housing interior cavity and an electrically conductive plate is fastened to the rotor and has at least one gap constituting a waveguide section. The gap is in communication with the housing interior cavity and the rotor cavity. The rotor is mounted for rotation, relative to the housing, into at least one operative position for causing the waveguide section to establish a signal conducting connection between two of the ports.

Abstract (de)  
Ein leichter, wenig Platz in Anspruch nemmender Mikrowellen-Drehschalter, bestehend aus einem Gehäuse (1, 2) mit mehreren Wellenleiteranschlüssen (4, 5, 6, 7) und einem in dem Gehäuse angeordneten Rotor (3), der eine elektrisch leitende Platte (11) trägt, die mit mindestens einem als Wellenleiter dienenden Spalt (8, 9, 10) versehen ist, wobei dieser Wellenleiter in einer bestimmten Stellung des Rotors (3) eine Signalverbindung zwischen zwei Wellenleiteranschlüssen herstellt.

IPC 1-7  
**H01P 1/12**

IPC 8 full level  
**H01P 1/12** (2006.01)

CPC (source: EP US)  
**H01P 1/125** (2013.01 - EP US)

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**EP 0162334 A2 19851127; EP 0162334 A3 19860820; EP 0162334 B1 19890809**; DE 3419534 A1 19851128; DE 3572264 D1 19890914; US 4649355 A 19870310

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**EP 85105113 A 19850426**; DE 3419534 A 19840525; DE 3572264 T 19850426; US 73669785 A 19850522