

Title (en)
WAVEGUIDE SWITCH

Title (de)
HOHLLEITERSCHALTER

Title (fr)
COMMUTATEUR EN GUIDE D'ONDES

Publication
EP 1151492 B1 20030129 (DE)

Application
EP 99964370 A 19991124

Priority
• DE 9903724 W 19991124
• DE 19856334 A 19981207

Abstract (en)
[origin: DE19856334A1] Disclosed is a waveguide switch having a stator and a moveable electroconductive element. Said stator is provided with waveguide paths (12, 23, 43, 41) located between the waveguide gates (1 to 4). Said waveguide paths can be switched using said moveable element (8) so that they remain permeable or impermeable to high-frequency waves. The moveable element is configured as a septum (8) in a slit (7) of the stator in order to simplify production tolerances. Said moveable element extends in the respective impermeably switched waveguide path and is parallel to the E-plane thereto. Said moveable element divides the waveguide path in two parallel subwaveguides which are provided with smaller cutoff wavelengths compared to the waveguide path which is switched in a permeable state.

IPC 1-7
H01P 1/12

IPC 8 full level
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H01P 1/122 (2013.01 - EP US)

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