

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  
**H01P 1/12** (2006.01)

CPC (source: EP US)  
**H01P 1/122** (2013.01 - EP US)

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DOCDB simple family (publication)  
**DE 19856334 A1 20000608**; BR 9915973 A 20010911; DE 59904199 D1 20030306; EP 1151492 A1 20011107; EP 1151492 B1 20030129; US 6667671 B1 20031223; WO 0035041 A1 20000615

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**DE 19856334 A 19981207**; BR 9915973 A 19991124; DE 59904199 T 19991124; DE 9903724 W 19991124; EP 99964370 A 19991124; US 85739301 A 20010605