

Title (en)  
TUNABLE MICROWAVE SYSTEM

Title (de)  
ABSTIMMBARES MIKROWELLENSYSTEM

Title (fr)  
SYSTÈME HYPERFRÉQUENCE ACCORDABLE

Publication  
**EP 3811457 A2 20210428 (FR)**

Application  
**EP 19730180 A 20190617**

Priority  
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Abstract (en)  
[origin: WO2019243232A2] The invention relates to a tunable microwave system (10) comprising at least two elements, every element being selected from among a propagation guide, an evanescent guide, a resonator (Res1, Res2, Resi, Res) and at least one coupling device (CD, CDi, CDE, CDS, CDL1i, CDL2i, CDij)) disposed between the two elements and designed to interconnect said two elements, the coupling device comprising a support (Sp) having an opening (Ap) and further comprising at least one element (40) which is elongated in a direction called polarization direction (Dp) extending in an opening plane (P), said elongated element (40) being secured to the periphery (30) of the opening along at least one end, the coupling device further being configured to be rotatable about an axis that is substantially perpendicular to the opening plane in such a way as to modify a value of the direction of polarization (Dp) and in such a way that the coupling between the two elements is dependent on the value of the direction of polarization.

IPC 8 full level  
**H01P 1/06** (2006.01); **H01P 1/12** (2006.01); **H01P 1/165** (2006.01); **H01P 1/211** (2006.01); **H01P 1/219** (2006.01); **H01P 5/04** (2006.01); **H01P 5/18** (2006.01)

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