

Title (en)
MAGNETICALLY TUNABLE FILTER COMPRISING COPLANAR LINES

Title (de)
MAGNETISCH DURCHSTIMMBARES FILTER MIT KOPLANARLEITUNGEN

Title (fr)
FILTRE ACCORDABLE MAGNÉTIQUEMENT À LIGNES COPLANAIRES

Publication
EP 2036160 B1 20140122 (DE)

Application
EP 07765056 A 20070704

Priority

- EP 2007005927 W 20070704
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- DE 102006053416 A 20061113
- DE 102007001832 A 20070112

Abstract (en)
[origin: DE102007001832A1] The magnetically tunable filter (1) comprises a filter housing (2) and two tunable resonator spheres (3a,3b) which are made of magnetic material and are disposed next to one another in two filter arms (4a,4b). Each filter arm is provided with a coplanar line (7) that is arranged on a substrate layer and extends in the direction of an electrical terminal (6). The two filter arms are interconnected by a common coupling hole (8). One respective resonator sphere is placed on each of the two sides of the coupling hole within the filter arms.

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H01P 1/218 (2006.01)

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