

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 A1 20090318 (DE)**

Application  
**EP 07765056 A 20070704**

Priority  

- EP 2007005927 W 20070704
- DE 102006030882 A 20060704
- 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.

IPC 8 full level  
**H01P 1/218** (2006.01)

CPC (source: EP US)  
**H01P 1/218** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008003483A1

Designated contracting state (EPC)  
DE FR GB

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**DE 102007001832 A1 20080110**; EP 2036160 A1 20090318; EP 2036160 B1 20140122; US 2009039983 A1 20090212; US 8120449 B2 20120221; WO 2008003483 A1 20080110

DOCDB simple family (application)  
**DE 102007001832 A 20070112**; EP 07765056 A 20070704; EP 2007005927 W 20070704; US 27909207 A 20070704