

Title (en)
INTERFERENCE FILTER AND LIGHTNING CONDUCTOR DEVICE

Title (de)
STÖRSCHUTZFILTER- UND BLITZSTROMABLEITER-EINRICHTUNG

Title (fr)
DISPOSITIF PARAFOUDRE ET FILTRE ANTIPARASITE

Publication
EP 1516390 A1 20050323 (DE)

Application
EP 03722168 A 20030522

Priority
• CH 0300329 W 20030522
• CH 11002002 A 20020626

Abstract (en)
[origin: WO2004004064A1] The invention relates to an interference filter and lightning conductor device (1) comprising an inner conductor (3) and a housing (2) which is arranged approximately coaxially in relation to said conductor. Connectors (7, 8) for connecting coaxial lines are provided at both ends of the housing (2). At least one pair of lines (5, 6) is arranged in a cavity (32), coaxially to the inner conductor (3), forming a connection between the inner conductor (3) and the housing (2). Said two lines (5, 6) are parallel and arranged at a distance from each other, the flow directions of the currents in the two lines (5, 6) being oriented away from each other. Said arrangement improves the grounding of interfering impulses or interfering signals, residual voltages and residual energies being largely eliminated.

IPC 1-7
H01Q 1/50; **H01T 4/08**

IPC 8 full level
H01Q 1/50 (2006.01); **H01R 13/646** (2011.01); **H01T 4/08** (2006.01)

CPC (source: EP US)
H01Q 1/50 (2013.01 - EP US); **H01R 24/48** (2013.01 - EP US); **H01T 4/08** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2004004064A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004004064 A1 20040108; AT E368947 T1 20070815; AU 2003229468 A1 20040119; DE 50307821 D1 20070913;
EP 1516390 A1 20050323; EP 1516390 B1 20070801; ES 2239552 T1 20051001; ES 2239552 T3 20080216; US 2005243493 A1 20051103;
US 7092230 B2 20060815

DOCDB simple family (application)
CH 0300329 W 20030522; AT 03722168 T 20030522; AU 2003229468 A 20030522; DE 50307821 T 20030522; EP 03722168 A 20030522;
ES 03722168 T 20030522; US 51897004 A 20041221