

Title (en)  
EMP-arrester

Title (de)  
EMP-Ableiter

Title (fr)  
Parafoudre EMP

Publication  
**EP 0938166 B1 20030521 (DE)**

Application  
**EP 99810133 A 19990215**

Priority  
CH 37898 A 19980217

Abstract (en)  
[origin: US6456478B1] A broad-band EMP surge diverter in a coaxial line with a waveguide (20) placed in an outer conductor (10) and electrically connected via a short-circuit link (24) to the inner conductor (30) of the coaxial line, whereby sections of conductor (31, 32, 33, 34, 35) of corresponding wave impedance in the coaxial line give rise to a frequency band of substantial band width.

IPC 1-7  
**H01R 13/646**

IPC 8 full level  
**H01P 1/202** (2006.01); **H01Q 1/50** (2006.01); **H01T 4/08** (2006.01)

CPC (source: EP US)  
**H01P 1/202** (2013.01 - EP US); **H01Q 1/50** (2013.01 - EP US); **H01T 4/08** (2013.01 - EP US); **H01R 24/44** (2013.01 - EP US);  
**H01R 24/48** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US)

Cited by  
DE10241431B4; US6950294B2; DE102009007622B4; EP1763041A1; EP1691379A3; DE10163862A1; DE10163862B4; EP1691379A2;  
WO0235659A1; DE102009007622A1; US7567417B2

Designated contracting state (EPC)  
CH DE ES FI FR GB IT LI SE

DOCDB simple family (publication)  
**US 6456478 B1 20020924**; AU 1547299 A 19990902; AU 2261999 A 19990906; AU 740311 B2 20011101; AU 748556 B2 20020606;  
CA 2262124 A1 19990817; CA 2262124 C 20021119; CA 2285400 A1 19990826; CA 2285400 C 20030805; DE 59900671 D1 20020221;  
DE 59905600 D1 20030626; EP 0938166 A1 19990825; EP 0938166 B1 20030521; EP 0978157 A1 20000209; EP 0978157 B1 20011121;  
ES 2136588 T1 19991201; ES 2136588 T3 20040201; ES 2142785 T1 20000501; ES 2142785 T3 20020501; NZ 334210 A 20000526;  
NZ 337977 A 20020201; US 6101080 A 20000808; WO 9943052 A1 19990826

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**US 40279599 A 19991012**; AU 1547299 A 19990205; AU 2261999 A 19990212; CA 2262124 A 19990216; CA 2285400 A 19990212;  
CH 9900066 W 19990212; DE 59900671 T 19990212; DE 59905600 T 19990215; EP 99810133 A 19990215; EP 99902487 A 19990212;  
ES 99810133 T 19990215; ES 99902487 T 19990212; NZ 33421099 A 19990216; NZ 33797799 A 19990212; US 24993099 A 19990212