

Title (en)  
Protector plug

Title (de)  
Schutzstecker

Title (fr)  
Fiche de protection

Publication  
**EP 0706194 B1 19970903 (DE)**

Application  
**EP 95109298 A 19950616**

Priority  
• DE 4437122 A 19941001  
• SG 1996010024 A 19960610

Abstract (en)  
[origin: EP0706194A1] The device has a housing and circuit board, an overvoltage tapping, a slider (4), a spring, an earth plate and a signalling element. The slider is forced against the housing wall by the spring (8) at a support surface (17) and one edge (20). A shaped solder part (7) is only minimally loaded by the spring force on the slider. The slider is made in one piece of a carrier part with angled contact vanes (10), a spring holder, a contact surface (12) for connecting the overvoltage tapping (3) to earth via an earth plate (27), a groove for holding the signalling element and a spring part (14). The spring part has a long spring arm and is angled at its sprung end to form a bar carrying the shaped solder part (7) and angled support surface (17).

IPC 1-7  
**H01H 37/76**; **H01T 1/14**

IPC 8 full level  
**H01R 13/713** (2006.01); **H01H 37/76** (2006.01); **H01R 9/24** (2006.01); **H01R 13/66** (2006.01); **H01T 1/12** (2006.01); **H01T 1/14** (2006.01); **H02H 9/04** (2006.01); **H04Q 1/14** (2006.01)

CPC (source: EP US)  
**H01H 37/767** (2013.01 - EP US); **H01R 9/2441** (2013.01 - EP US); **H01R 13/6658** (2013.01 - EP US); **H01R 13/6666** (2013.01 - EP US); **H01T 1/12** (2013.01 - EP US); **H01T 1/14** (2013.01 - EP US); **H01R 9/2433** (2013.01 - EP US)

Cited by  
US7148453B2; EP1560242A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)  
**US 5574614 A 19961112**; AT E157811 T1 19970915; AU 2180995 A 19960418; AU 681511 B2 19970828; BG 61628 B1 19980130; BG 99849 A 19960430; BR 9504231 A 19960730; CN 1036164 C 19971015; CN 1120237 A 19960410; CZ 247295 A3 19970917; CZ 287054 B6 20000816; DE 4437122 A1 19960404; DE 4437122 C2 19960718; DE 59500599 D1 19971009; DK 0706194 T3 19971208; EP 0706194 A1 19960410; EP 0706194 B1 19970903; ES 2105820 T3 19971016; FI 954643 A0 19950929; FI 954643 A 19960402; GR 3025533 T3 19980227; HR P950393 A2 19970430; HR P950393 B1 19981231; HU 215046 B 19980928; HU 9501908 D0 19950828; HU T73109 A 19960628; IL 114301 A0 19951031; IL 114301 A 19980222; JP H08111154 A 19960430; NO 307159 B1 20000214; NO 952466 D0 19950620; NO 952466 L 19960402; PL 178044 B1 20000229; PL 310616 A1 19960415; SG 45487 A1 19980116

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**US 51630995 A 19950817**; AT 95109298 T 19950616; AU 2180995 A 19950620; BG 9984995 A 19950808; BR 9504231 A 19950929; CN 95102746 A 19950214; CZ 247295 A 19950922; DE 4437122 A 19941001; DE 59500599 T 19950616; DK 95109298 T 19950616; EP 95109298 A 19950616; ES 95109298 T 19950616; FI 954643 A 19950929; GR 970403182 T 19971128; HR P950393 A 19950710; HU 9501908 A 19950628; IL 11430195 A 19950623; JP 24780295 A 19950926; NO 952466 A 19950620; PL 31061695 A 19950922; SG 1996010024 A 19960610