

Title (en)  
Mains socket with differential current protection

Title (de)  
Fehlerstromgeschützte Steckdose

Title (fr)  
Prise de courant à protection différentielle

Publication  
**EP 0641045 B1 19961016 (DE)**

Application  
**EP 94112483 A 19940810**

Priority  
CH 258093 A 19930831

Abstract (en)  
[origin: EP0641045A1] The plug socket having differential-current protection (residual-current protection) contains a housing (8, 9), in the form of a box, for accommodating a differential-current protective circuit breaker (residual-current device) and a socket part. The socket part contains plug contacts (21, 22, 23) for a plug of an electrical load (V), and connecting terminals (11, 12, 13) for conductors (L3, PEN) of an electrical power supply network. The differential-current protective circuit breaker and the socket part are plugged together from modular units which are held together by insertion into the housing (8, 9). Such a plug socket is distinguished by the fact that it is of compact design and can be assembled (installed) and maintained (serviced) extremely easily. At the same time, a plug socket which is matched to a plug of modified design can be produced from such a plug socket at very low cost by replacement of modular units (for example the plug contact part 2 and the cover 9). <IMAGE>

IPC 1-7  
**H01R 13/713**

IPC 8 full level  
**H01R 13/713** (2006.01); **H01H 83/04** (2006.01)

CPC (source: EP)  
**H01R 13/7135** (2013.01); **H01H 83/04** (2013.01); **H01H 2083/045** (2013.01)

Cited by  
EP2725600A1; DE19936056A1; DE10005416A1; CN1092409C; DE19601884A1; US6011680A; SG72978A1; EP2725664A1

Designated contracting state (EPC)  
AT CH DE FR LI NL SE

DOCDB simple family (publication)  
**EP 0641045 A1 19950301**; **EP 0641045 B1 19961016**; AT E144353 T1 19961115; DE 59400850 D1 19961121; FI 110345 B 20021231; FI 943971 A0 19940830; FI 943971 A 19950301

DOCDB simple family (application)  
**EP 94112483 A 19940810**; AT 94112483 T 19940810; DE 59400850 T 19940810; FI 943971 A 19940830