

Title (en)  
Socket-outlet

Title (de)  
Steckdose

Title (fr)  
Prise de courant

Publication  
**EP 2194617 A1 20100609 (EN)**

Application  
**EP 09175187 A 20091106**

Priority  
FI 20086143 A 20081128

Abstract (en)  
The invention relates to a socket-outlet. A body (3) of insulating material is formed with mounting brackets (2) for fixing the body (3) to a supporting structure. Metallic terminal units (4) include first connectors (4.1) fitting for contact with the prongs of electric plugs and second connectors (4.2) intended for contact with electric wires. A housing component (1) constitutes a cover or enclosure which conceals an internal component (5) of the socket-outlet. The socket-outlet's internal component (5) comprises at least the body (3) and the terminal units (4). The first connectors (4.1) are shaped as two-way funnels for receiving the prongs of electric plugs from two opposite directions, whereby the relevant terminal unit (4) can be used both in surface-mount and concealed socket-outlets. In addition, the socket-outlet comprises an upper earth terminal unit (9) and a lower earth terminal unit (10) present at an end wall of the body (3). The mounting brackets (2) are provided with rupture weaknesses (2.2), which are positioned in such a way that, as the mounting brackets rupture, the live components remain protected.

IPC 8 full level  
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**H01R 4/4821** (2023.08 - EP FI); **H01R 13/655** (2013.01 - EP); **H01R 24/76** (2013.01 - FI); **H01R 24/78** (2013.01 - EP);  
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Citation (applicant)  
• EP 1489703 A1 20041222 - ENSTO BUSCH JAEGER OY [FI]  
• FR 1278700 A 19611215 - ARNOULD ETS

Citation (search report)  
• [Y] EP 1489703 A1 20041222 - ENSTO BUSCH JAEGER OY [FI]  
• [Y] FR 1278700 A 19611215 - ARNOULD ETS  
• [Y] US 4203638 A 19800520 - TANSI HAKKI M [US]  
• [A] EP 1515402 A1 20050316 - ENSTO BUSCH JAEGER OY [FI]  
• [A] EP 0105538 A1 19840418 - REHAU PLASTIKS [DE]  
• [A] WO 0241455 A1 20020523 - PC ELECTRIC GMBH [AT], et al

Cited by  
USD901388S; CN104471801A; EP2652839A4; CN105359351A; EP3017513A4; USD948449S; US8491332B1; WO2013110333A1;  
WO2015001192A1; WO2012082496A1; USD944726S; USD956452S; EP3840136A1; CN113012952A; FR3105625A1; US8951064B2;  
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