

Title (en)  
Pivotal power supply plug device

Title (de)  
Schwenkbarer Netzkabelsteckanschluss

Title (fr)  
Fiche d'alimentation pivotable

Publication  
**EP 1162703 A3 20030205 (EN)**

Application  
**EP 01202150 A 20010606**

Priority  
JP 2000169259 A 20000606

Abstract (en)  
[origin: EP1162703A2] A compact rotary power supply plug corresponding to 200 V of the European and U. S. standards and formed with reduced number of parts into a simple structure can be provided. A plug supporting piece (10) is pivotably provided on one end of an insertion plug storing recess (3) provided at a surface of a housing (1). Insertion plugs (11,11) made of a metal conductive material are supported at the plug supporting piece (10) and projected therefrom. A contact (19) in electrical connection with each insertion plug (11) is provided at the bottom surface (10b) of the plug supporting piece (10). Each contact (19) is contacted to a connection terminal (20) in the housing (1) when the plug supporting piece (10) is upraised together with the insertion plugs (11, 11). The insertion plugs (11, 11) are pushed down together with the plug supporting piece (10) and stored into the recess (3). The housing (1) includes a housing main body (1a) and a housing lid body (1b) fitted with one another, half bodies (12b, 12b) of bearings (12, 12) provided on both sides of the recess (3) for rotatably supporting the shaft (10a, 10a) of the plug supporting piece (10), projection pieces (13, 13) for the bearings on both sides of the main body and the other half bodies (12a, 12a) of the bearings provided at the tip ends of the projection pieces (13, 13). The plug storing recess (3) is provided at an outer surface of the lid body (1b). The housing main body (1a) is fitted with the lid body (1b) for joining both half bodies of the bearings to form the bearings (12, 12). <IMAGE>

IPC 1-7  
**H01R 24/06**

IPC 8 full level  
**H01R 13/04** (2006.01); **H01R 13/46** (2006.01); **H01R 13/502** (2006.01); **H01R 13/66** (2006.01); **H02J 7/00** (2006.01); **H01R 13/24** (2006.01)

CPC (source: EP)  
**H01R 13/6658** (2013.01); **H01R 13/24** (2013.01)

Citation (search report)  
• [XY] US 6062880 A 20000516 - SKUZA VOYTECK T [US]  
• [Y] WO 9716873 A1 19970509 - BRAUN AG [DE], et al  
• [Y] US 5829993 A 19981103 - WU MICHAEL [TW]  
• [A] US 4997381 A 19910305 - OH TAE J [KR]

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CN107689512A

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