

Title (en)  
POWER PLUG WITH LEAKAGE PROTECTION FUNCTION

Title (de)  
NETZSTECKER MIT VERLUSTSCHUTZFUNKTION

Title (fr)  
FICHE D'ALIMENTATION À FONCTION DE PROTECTION CONTRE FUITE

Publication  
**EP 2437359 A4 20140416 (EN)**

Application  
**EP 10779986 A 20100113**

Priority

- CN 2010000060 W 20100113
- CN 200920057722 U 20090527

Abstract (en)  
[origin: EP2437359A1] A power plug with leakage protection function includes a housing (1), a reset button (11) and a testing button (12) provided on the top surface of the housing, a live line pin (2), a neutral line pin (4) and a ground line pin provided on the bottom of the housing. A circuit board (5) is provided inside the housing. A leakage protection circuit for testing the cable leakage fault of power output is provided on the circuit board. A trip device (7) for making a movable contact (742) and a static contact (723) contact or disconnect each other is provided inside the housing. The power plug can detect the cable leakage fault of power supply in real time and cut off the power supply in time.

IPC 8 full level  
**H01R 13/66** (2006.01); **H01R 13/70** (2006.01); **H01R 13/713** (2006.01); **H01R 24/30** (2011.01); **H02H 3/14** (2006.01); **H01R 103/00** (2006.01)

CPC (source: EP)  
**H01R 13/7135** (2013.01); **H01R 24/30** (2013.01); **H01R 2103/00** (2013.01)

Citation (search report)

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- [YA] US 6122155 A 20000919 - AROMIN VICTOR V [US], et al
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Citation (examination)  
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**EP 2437359 A1 20120404**; **EP 2437359 A4 20140416**; CN 201425994 Y 20100317; WO 2010135904 A1 20101202

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**EP 10779986 A 20100113**; CN 200920057722 U 20090527; CN 2010000060 W 20100113