

Title (en)

CURRENT FEED-THROUGH FOR MEDIUM VOLTAGE CELL WITH SEALED METAL CASING

Title (de)

STROMDURCHFÜHRUNG FÜR ELEKTRISCHE MITTELSPANNUNGSZELLE MIT HERMETISCHER METALL-UMHÜLLUNG

Title (fr)

TRAVERSEE DE COURANT POUR CELLULE ELECTRIQUE MOYENNE TENSION A ENVELOPPE METALLIQUE HERMETIQUE

Publication

**EP 1116245 A1 20010718 (FR)**

Application

**EP 00900548 A 20000110**

Priority

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- FR 9900182 A 19990111

Abstract (en)

[origin: FR2788369A1] The invention concerns a plug-in feed-through for connecting an element such as a single-pole cable to a medium voltage electric cell with a sealed metal casing usually filled with gas. The feed-through comprises a body made of insulating material (13) run through by a solid connecting conductor (12) projecting from the body by its ends, and an annular flange (15) whereof the peripheral edge (15A) projects from the body to enable a welding for blocking the feed-through in a casing aperture. The annular flange comprises an internal edge (15B) embedded in the feed-through body, constituting a support for a semiconductor elastomer material layer (17) forming a shield controlling for the electric field. Said part is coated with an insulating elastomer material (16) separating it from the shielding semiconductor elastomer material layer (17), which is itself embedded in the elastomer material constituting the insulating body (13).

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