

Title (en)

SELF-RECOVERING CURRENT-LIMITING DEVICE WITH LIQUID METAL

Title (de)

SELBSTERHOLENDE STROMBEGRENZUNGSEINRICHTUNG MIT FLÜSSIGMETALL

Title (fr)

DISPOSITIF LIMITEUR DE COURANT A RETABLISSEMENT AUTOMATIQUE ET A METAL LIQUIDE

Publication

EP 1173873 B1 20030521 (DE)

Application

EP 00906218 A 20000122

Priority

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- EP 0000479 W 20000122

Abstract (en)

[origin: WO0046829A1] The invention relates to a self-recovering current-limiting device with liquid metal. The device contains a first electrode and a second electrode (11; 12) and several compressor chambers (3) which are partially filled with liquid metal (8) and which are located one behind the other, between the electrodes (11; 12). Said compressor chambers (3) are formed by pressure-resistant insulating bodies (4; 5) and insulating intermediate walls (6) which are held in place by said insulating bodies and which have connecting channels (9). A first connecting conductor (21) which is connected to the first electrode (6) passes beneath the compressor chambers (3) with an inverse current direction. A ferromagnetic body (10) is situated above the compressor chambers (3).

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