

Title (en)

Self restoring current limiting device with liquid metal

Title (de)

Selbsterholende Strombegrenzungseinrichtung mit Flüssigmetall

Title (fr)

Dispositif limiteur de courant avec métal liquide à auto-régénération

Publication

EP 1026720 B1 20060705 (DE)

Application

EP 00101319 A 20000122

Priority

DE 19903940 A 19990201

Abstract (en)

[origin: EP1026720A1] The current limiting device includes intermediate walls (12) of open-pore, porous material. A non-conductive liquid (6) rests above a liquid metal (7) and is not mixable or combinable with it. The boiling point of the non-conductive liquid is well below that of the liquid metal and well above the nominal working temperature. The non-conductive liquid borders the intermediate walls by capillary forces as far as connecting channels (8). An Independent claim is included for a self-recovering current limiting device.

IPC 8 full level

H01H 87/00 (2006.01)

CPC (source: EP)

H01H 87/00 (2013.01)

Cited by

DE102005050044A1; CN112864545A; CN109637874A

Designated contracting state (EPC)

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EP 1026720 A1 20000809; EP 1026720 B1 20060705; DE 19903940 C1 20001102; DE 50013098 D1 20060817

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