

Title (en)

SELF-REGENERATING CURRENT LIMITING DEVICE WITH LIQUID METAL

Title (de)

SELBSTERHOLENDE STROMBEGRENZUNGSEINRICHTUNG MIT FLÜSSIGMETALL

Title (fr)

DISPOSITIF DE LIMITATION DE COURANT A REGENERATION AUTOMATIQUE AVEC METAL LIQUIDE

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Application

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Abstract (en)

[origin: DE19905372C1] The invention relates to a self-regenerating current limiting device with liquid metal. Said device comprises electrodes (1) and several consecutive compression chambers (4) partially filled with liquid metal (7), said chambers being formed by pressure-proof insulating bodies (5) and partition walls (12) insulated by said bodies and having communicating channels (17). In order to influence recombination time in a targeted manner, at least one part of the communicating channels (17) has a substantially V-shaped or inverse V-shaped longitudinal profile.

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