

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

Publication

**EP 1153406 B1 20030416 (DE)**

Application

**EP 00905038 A 20000208**

Priority

- DE 19905372 A 19990210
- EP 0001005 W 20000208

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.

IPC 1-7

**H01H 87/00**

IPC 8 full level

**H01H 87/00** (2006.01)

CPC (source: EP)

**H01H 87/00** (2013.01)

Designated contracting state (EPC)

FR GB IT

DOCDB simple family (publication)

**DE 19905372 C1 20000824**; EP 1153406 A1 20011114; EP 1153406 B1 20030416; WO 0048216 A1 20000817

DOCDB simple family (application)

**DE 19905372 A 19990210**; EP 0001005 W 20000208; EP 00905038 A 20000208