

Title (en)  
Current limiting system

Title (de)  
System zur Strombegrenzung

Title (fr)  
Dispositif de limitation de courant

Publication  
**EP 1164617 B1 20070228 (DE)**

Application  
**EP 01113783 A 20010606**

Priority  
DE 10028775 A 20000615

Abstract (en)  
[origin: EP1164617A1] System for limiting current comprises a self-recuperating current limiting device (10) containing electrodes (1) made of solid metal for connecting to a wiring system to be protected and partially filled with liquid metal (7) with compressor chambers (4) lying between the electrodes. The chambers are made of pressure-tight insulating bodies (5) and an intermediate wall (12) with a connecting channel (8). Gas channels (13) controlled using a control device (31) extend into the current path formed by the liquid metal. Preferably the gas channels terminate directly close to a connecting channel or in a connecting channel. The gas channels run within an intermediate wall. The control device is connected to at least one gas channel via a gas pulse generator (32).

IPC 8 full level  
**H01H 87/00** (2006.01)

CPC (source: EP)  
**H01H 87/00** (2013.01)

Cited by  
CN109995006A

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DOCDB simple family (publication)  
**EP 1164617 A1 20011219; EP 1164617 B1 20070228**; AT E355605 T1 20060315; DE 50112100 D1 20070412

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**EP 01113783 A 20010606**; AT 01113783 T 20010606; DE 50112100 T 20010606