

Title (en)

DEVICE FOR DAMPING OVERVOLTAGES IN A SOLENOID, AND SOLENOID EQUIPPED WITH SUCH A DEVICE

Publication

**EP 0169748 B1 19871119 (FR)**

Application

**EP 85401063 A 19850530**

Priority

FR 8409964 A 19840625

Abstract (en)

[origin: US4700165A] A voltage surge damping device for electromagnets is provided which applies more particularly to electromagnets of the type comprising a fixed magnetic circuit and a mobile magnetic circuit cooperating with the fixed magnetic circuit and forming therewith, in the "closed" position, at least one air gap. Said device comprises at least one short circuiting ring mounted on the fixed magnetic circuit and formed by a good electrically conducting and a magnetic metal sheet, and having at least one part shaped so as to extend into said air gap.

IPC 1-7

**H01F 7/12**

IPC 8 full level

**H01F 7/06** (2006.01); **H01F 7/12** (2006.01); **H01H 50/16** (2006.01); **H01H 50/36** (2006.01); **H01H 50/46** (2006.01)

CPC (source: EP US)

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Cited by

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Designated contracting state (EPC)

CH DE IT LI SE

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**FR 2566571 A1 19851227**; **FR 2566571 B1 19860926**; DE 3561033 D1 19871223; DK 159744 B 19901126; DK 159744 C 19910429; DK 284685 A 19851226; DK 284685 D0 19850624; EP 0169748 A1 19860129; EP 0169748 B1 19871119; JP H0785448 B2 19950913; JP S6181609 A 19860425; US 4700165 A 19871013

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