

Title (en)
CURRENT LIMITING SWITCH ELEMENT

Publication
EP 0255016 B1 19930203 (DE)

Application
EP 87110495 A 19870720

Priority
DE 3625998 A 19860731

Abstract (en)
[origin: US4810841A] A current-limiting switching element, for whose at least one contact set comprising a movable and a fixed contact member, a device for providing an auxiliary magnetic field is arranged with an axis perpendicular to the direction of the extent of the movable contact member. It is provided that the direction of motion of the movable contact member lies in the direction of the axis of the device for providing the auxiliary magnetic field. The direction of the current to the contacts is chosen so that the movable contact member is subjected to a force repelling it from the fixed contact member with respect to the auxiliary magnetic field.

IPC 1-7
H01H 1/54; **H01H 9/44**

IPC 8 full level
H01H 1/54 (2006.01); **H01H 9/44** (2006.01); **H01H 33/18** (2006.01)

CPC (source: EP US)
H01H 1/2066 (2013.01 - EP US); **H01H 1/54** (2013.01 - EP US); **H01H 9/44** (2013.01 - EP US)

Citation (examination)
• FR 2400761 A1 19790316 - GOULD INC [US]
• US 3555471 A 19710112 - MITSKEVICH GENNADY FEODOSIEVIC, et al
• FR 1551832 A 19681227

Cited by
EP1548773A1; CN104798162A; FR2953979A1; EP1548772A1; EP0649155A1; EP0418786A3; US7081596B2; US8947181B2;
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JP S6340226 A 19880220; NO 173208 B 19930802; NO 173208 C 19931110; NO 873054 D0 19870721; NO 873054 L 19880201;
US 4810841 A 19890307

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US 6209187 A 19870612