

Title (en)
Electromagnetic switchgear.

Title (de)
Elektromagnetisches Schaltgerät.

Title (fr)
Appareil de commutation électromagnétique.

Publication
EP 0358050 B1 19941228 (DE)

Application
EP 89115582 A 19890823

Priority
DE 8811206 U 19880905

Abstract (en)
[origin: US4988964A] In an electromagnetic switchgear with movable contact parts held in a movable contact support and forming, with fixed contact parts, opening and closing contacts, the contact support being elastically connected with the armature in such a way that, with the opening contact welded, an onward movement of the movable magnet part is possible without operation of the closing contact, the yoke of the magnet system is also suspended elastically in its closing direction and this elastic suspension, the elastic connection between the armature and contact support and the elasticity of the movable contact parts are matched to one another in such a way that with the opening contact welded and the magnet system closed, the spring excursions of the armature and yoke are approximately the same.

IPC 1-7
H01H 50/64

IPC 8 full level
H01H 50/30 (2006.01); **H01H 3/00** (2006.01); **H01H 50/54** (2006.01); **H01H 50/64** (2006.01)

CPC (source: EP US)
H01H 3/001 (2013.01 - EP US); **H01H 50/545** (2013.01 - EP US); **H01H 50/64** (2013.01 - EP US)

Cited by
US6094117A; DE19648053C1; US6040750A; WO9733289A1

Designated contracting state (EPC)
AT CH DE FR GB IT LI SE

DOCDB simple family (publication)
US 4988964 A 19910129; AT E116476 T1 19950115; CA 1332068 C 19940920; DE 58908827 D1 19950209; DE 8811206 U1 19881027; EP 0358050 A2 19900314; EP 0358050 A3 19910717; EP 0358050 B1 19941228; JP 2513312 Y2 19961002; JP H0250935 U 19900410

DOCDB simple family (application)
US 40368989 A 19890905; AT 89115582 T 19890823; CA 610136 A 19890901; DE 58908827 T 19890823; DE 8811206 U 19880905; EP 89115582 A 19890823; JP 10173389 U 19890830