

Title (en)
Blocking/releasing arrangement for a pivoting release element of an electrical striker

Title (de)
Sperr-/Freigabevorrichtung für eine Schwenkfalle eines Arbeitsstrom-Türöffners

Title (fr)
Dispositif de blocage et dégagement d'un élément pivotant d'une gâche électrique

Publication
EP 0861958 A3 20000628 (DE)

Application
EP 98102617 A 19980216

Priority
DE 19707759 A 19970226

Abstract (en)
[origin: US5988711A] The invention relates to an arresting/release device for a swing catch of a working current door opener with a catch lever, which arrests or releases the swing catch, a first safety lever, which maintains the catch lever in the arrested position and is pivotable with the aid of an electromagnet into a position releasing the catch lever, and with a second safety lever, which acts on the first safety lever for impact protection of the catch lever. In order to achieve an impact protection advantageous from the manufacturing and installation standpoint, the second safety lever is constituted by a mechanically decoupled lever of low mass mounted in its center of gravity. This symmetrically constructed, vibration-proof, second safety lever secures the first safety lever in an impact-preventing position and is magnetically coupled to and pivotable with the coil core, which is made from a soft magnetic material and has a relatively long acceleration path.

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E05B 47/00; **E05B 15/02**

IPC 8 full level
E05B 15/02 (2006.01); **E05B 47/00** (2006.01); **E05B 47/04** (2006.01)

CPC (source: EP US)
E05B 47/0047 (2013.01 - EP US); **Y10T 292/1082** (2015.04 - EP US); **Y10T 292/688** (2015.04 - EP US); **Y10T 292/699** (2015.04 - EP US)

Citation (search report)

- [DA] EP 0279878 A1 19880831 - FUSS FRITZ GMBH & CO [DE]
- [DA] DE 4418863 C1 19950518 - FUSS FRITZ GMBH & CO [DE]
- [A] BE 464463 A
- [A] DE 880426 C 19530622 - NOVA PRODUCT WAGNER & CO

Cited by
ES2424824R1; EP3575518A1; EP2527570B1; EP2527570B2

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 5988711 A 19991123; AT E242393 T1 20030615; CA 2229668 A1 19980826; CA 2229668 C 20020521; DE 19707759 C1 19980820; DE 59808556 D1 20030710; EP 0861958 A2 19980902; EP 0861958 A3 20000628; EP 0861958 B1 20030604

DOCDB simple family (application)
US 2253498 A 19980212; AT 98102617 T 19980216; CA 2229668 A 19980216; DE 19707759 A 19970226; DE 59808556 T 19980216; EP 98102617 A 19980216