

Title (en)
SWITCHING DEVICE

Publication
EP 0126918 B1 19861112 (DE)

Application
EP 84103924 A 19840409

Priority
AT 149683 A 19830425

Abstract (en)
[origin: US4573029A] A switch comprises switch members movable in an operating direction for opening and closing an electric circuit, a solenoid drive for moving the switch members in the operating direction, the solenoid drive comprising an armature having an operating movement normal to the operating direction of the switch members and a core, a push rod where to the switch members are coupled for movement therewith, the push rod comprising a gear rack, and a pinion segment meshing with the gear rack. The push rod and the pinion segment are located between the armature and the core and are surrounded thereby, the pinion segment is pivotal about an axis extending transversely to the push rod and is engaged by the armature, the operating movement of the armature pivoting the pinion segment and moving the push rod and switch members coupled thereto in the operating direction.

IPC 1-7
H01H 50/64; **H01H 3/40**

IPC 8 full level
H01H 51/06 (2006.01); **H01H 3/40** (2006.01); **H01H 50/08** (2006.01); **H01H 50/64** (2006.01)

CPC (source: EP US)
H01H 3/40 (2013.01 - EP US); **H01H 50/08** (2013.01 - EP US); **H01H 50/643** (2013.01 - EP US)

Cited by
KR20190006543A; CN109313994A; KR20190006541A; CN110853983A; EP0200617A1; FR2581242A1; DE102014106015A1; US10720285B2; WO2017194236A1

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

DOCDB simple family (publication)
EP 0126918 A1 19841205; **EP 0126918 B1 19861112**; AT 378622 B 19850910; AT A149683 A 19850115; BR 8401876 A 19841204; CA 1204135 A 19860506; DE 3461341 D1 19870102; DK 164341 B 19920609; DK 164341 C 19921102; DK 205784 A 19841026; DK 205784 D0 19840424; FI 75689 B 19880331; FI 75689 C 19880711; FI 841558 A0 19840418; FI 841558 A 19841026; JP S59205123 A 19841120; US 4573029 A 19860225; ZA 842850 B 19841224

DOCDB simple family (application)
EP 84103924 A 19840409; AT 149683 A 19830425; BR 8401876 A 19840424; CA 452180 A 19840417; DE 3461341 T 19840409; DK 205784 A 19840424; FI 841558 A 19840418; JP 8125484 A 19840424; US 59878284 A 19840410; ZA 842850 A 19840416