Title (en)

SWITCH POINTS MOTORIZATION DEVICE

Publication

EP 0317927 B1 19930317 (FR)

Application

EP 88119332 A 19881121

Priority

FR 8716189 A 19871123

Abstract (en)

[origin: EP0317927A1] The device comprises a geared motor (17) which drives longitudinally, via a ball screw (20) and nut, the central body (22) of a moving element comprising two slides (24, 25) sandwiching the central body (22). The two slides mesh on a common pinion mounted so as to rotate freely in the central body (22). Each slide drives, via a vertical, cylindrical floating pin (34, 35, 38, 39), a control bar (9, 10) linked to a throw rod (7, 8) which is itself linked to a switch blade. The locking of an operating bar (9, 10) is effected at the end of the travel of the central body (22) by the positioning of a floating pin in a locking groove (40 to 43) of a fixed locking plate (30, 31). A mechanical fault in the transmission chain causes a relative displacement of the slides (24, 25) with respect to the central body (22), which displacement is detected by the rotation of the common pinion integrally connected to means (27) for actuating an anomaly-control contact (29). <IMAGE>

IPC 1-7

B61L 5/10

IPC 8 full level

E01B 7/00 (2006.01); **B61L 5/06** (2006.01); **B61L 5/10** (2006.01); **B61L 11/00** (2006.01)

CPC (source: EP KR US)

B61L 5/107 (2013.01 - EP US); **E01B 7/00** (2013.01 - KR)

Cited by

US5462245A; AT399697B; FR2989049A1; FR2896752A1; FR3003531A1; EP0908369A1; FR2769278A1; EP0763457A1

Designated contracting state (EPC)

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