

Title (en)

Device for operating end position switches for an electric motor-driven linear adjusting drive

Title (de)

Anordnung zur Betätigung der Endlagenschalter bei einem elektromotorisch betriebenen Linear-Verstellantrieb

Title (fr)

Dispositif pour l'actionnement des interrupteurs de fin de course dans un entraînement d'ajustement linéaire commandé par moteur électrique

Publication

EP 0645790 B1 19980708 (DE)

Application

EP 94250202 A 19940817

Priority

DE 4333268 A 19930927

Abstract (en)

[origin: EP0645790A2] The invention relates to an arrangement of limit position switches in a linear adjusting drive which is driven by electric motors, especially a drive for points, in the case of which drive limit position switches signal that the right-hand or left-hand limit position of the drive has been reached. In order to ensure that these limit-position switches can emit an alignment message only when the drive is actually latched in the limit position, that is to say sticking or fused contacts of the limit position switches cannot be confused with a limit position having been reached, which can lead to dangerous situations, it is proposed according to the invention that slide-type momentary-contact switches having additional mechanical positive operation of the contacts in both switching directions be used for the limit position switches (13/13') instead of roller momentary-contact switches. Each limit position switch (13/13') is expediently fitted at the end of its operating shaft (16) with an axially directed link in which a transversely located operating bolt (19 or 19' respectively) engages, which can be moved by the associated release lever (12 or 12' respectively). The link can have the form of a pulley (17) with a broadened pulley groove (18), the operating bolt (19 or 19' respectively) engaging in the pulley groove (18) with axial play in the switch operating direction. <IMAGE>

IPC 1-7

H01H 13/18; **B61L 5/06**

IPC 8 full level

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Cited by

CN105621098A; CN103887091A; CN112635266A; ES2226507A1; CN105023777A

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