

Title (en)

CONTROL DEVICE FOR THE SWIVEL MOVEMENT OF A GUIDING RAIL OF A LIFT COMPRISING SEVERAL GUIDING RAILS

Publication

EP 0245592 B1 19900404 (DE)

Application

EP 87102477 A 19870221

Priority

DE 3611241 A 19860404

Abstract (en)

[origin: EP0245592A1] 1. Control apparatus for the swivelling movement of a guide rail of a hoist which is formed from a plurality of guide rails and on the guide rails of which a cable-drawn load-carrying means can be driven via a hydraulic drive, at least one guide rail being swivellable relative to an adjacent guide rail by means of a swivelling apparatus, characterized in that, connected into a pump line (26) supplied by a hydraulic pump (25) there is a spool valve (27) designed as a 4/3-way valve which, in a first position (a) (erection of the swivellable guide rail 6), via a control line (28) connected downstream of the spool valve, opens a hydraulically deblockable nonreturn valve (29) in a closed, biased (biasing valve 30) bypass (31) of the winch motor (32) (braked cable dispensing by the winch motor) ; in a second position (c) (swivelling down of the swivellable guide rail), via a pressure-reducing valve (33) connected downstream of the spool valve (27), subjects the winch motor (32) to a slight torque (winding up of cable) ; and in the third position (b) (zero position) connects both the pump line (26) and the control line (28) to the return line (34).

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