

Title (en)

METHOD FOR CONTROLLING AUTOMATIC CABLE CRANES AND HYDRAULIC CONTROL SYSTEM

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Application

EP 87105231 A 19870408

Priority

AT 91386 A 19860408

Abstract (en)

[origin: EP0241023A2] In known automatic cable cranes it is considered to be a disadvantage that, from the safety point of view, vibratory movements of the load pendulum, which can lead to inadvertent clearing of the automatic cable crane, could not be eased by constructional measures. On the other hand, the hydraulic valve layout is made in such a way that sudden displacements of the valves are normally necessary and two-way valves are used as slide or shuttle valves. The leakage losses which are consequently present, in particular in the zero position, can cause dangerous operating states. To avoid these disadvantages, the invention proposes to design the requisite main valves as separate individual valves with dead-time actuation and, in addition, to provide a delay time or a delay displacement so that undesirable vibratory movements of the load pendulum cannot lead to clearing of the automatic cable crane. <IMAGE>

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