

Title (en)

METHOD AND DEVICE FOR CONTROLLING A HYDRAULIC LIFT

Title (de)

VERFAHREN SOWIE VORRICHTUNG ZUR STEUERUNG EINES HYDRAULISCHEN AUFZUGS

Title (fr)

PROCEDE ET DISPOSITIF DE COMMANDE D'UN ASCENSEUR HYDRAULIQUE

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Application

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Abstract (en)

[origin: WO9834868A1] The invention concerns a method and device for controlling a hydraulic lift, wherein a lift car (2) can be moved upwards and downwards in a lift shaft (1). The lift car (2) is connected to a reciprocating piston and is driven by an oil pump (40) which delivers pressurized oil between a tank (41) and a lifting cylinder (3). The oil pump (40) is driven by a motor (39) which is fed by a controllable power-supply part (28). The speed of the lift car (2) is detected by a sensor (13). A control and regulating unit (10) controls and regulates the assemblies influencing the movement of the lift car (2), that is the motor (39) and a valve unit (43). During upwards travel, the speed of the lift car (2) is controlled by regulating the motor (39). According to the invention, during downwards travel, a regulating and controlling effect is exerted on the valve unit (43). At low speeds when the lift car (2) is starting to move or braking, the speed is regulated by actuating the valve unit (43); at faster speeds, such as during upwards travel, the speed is regulated by regulating the motor (39).

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