

Title (en)

CONTROL DEVICE FOR THE OPERATION OF A HYDRAULIC WINCH OF AN INCLINED LIFT

Publication

EP 0236732 A3 19880601 (DE)

Application

EP 87101496 A 19870204

Priority

DE 3608536 A 19860314

Abstract (en)

[origin: EP0236732A2] 1. Control device for the actuation of a hydraulic rope-winch drive for a load-receiving means (load-winch drive) movable on a plurality of guide rails of an inclined elevator, especially for the transport of furniture, characterized in that during the upward travel of the load-receiving means there is a complete supply of pressure fluid to the hydraulic motor (9) and during the downward travel of the load-receiving means there is a complete release for switching off the hydraulic motor (9) of the load-winch drive automatically with a time delay after the easing of the holding brake of the loadwinch drive, in such a way that in the pump line (3) leading to the hydraulic motor (9) of the load-winch drive there is a proportional valve (5) coupled to a bypass valve (13), the bypass valve (13) being arranged in a bypass line (14) bypassing a pressurising valve (11) located in the pump line (3) between the pump (1) and the proportional valve (5) and in that the proportional valve (5) and the bypass valve (13) are coupled electrically.

IPC 1-7

B66D 1/44; **B66D 5/26**

IPC 8 full level

B66D 1/08 (2006.01); **B66B 1/04** (2006.01); **B66B 9/16** (2006.01); **B66D 1/44** (2006.01); **B66D 5/26** (2006.01)

CPC (source: EP)

B66B 1/24 (2013.01); **B66B 9/16** (2013.01); **B66D 1/44** (2013.01); **B66D 5/26** (2013.01)

Citation (search report)

- [X] DE 2203860 A1 19720817 - HAEGGLUND & SOENER AB
- [A] DE 2212414 A1 19721019 - POCLAIN SA
- [X] DE 2308809 A1 19730927 - HARNISCHFEGGER CORP

Cited by

FR2714663A1; CN1050106C; US7032887B2; EP0657380A3; WO9518061A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0236732 A2 19870916; **EP 0236732 A3 19880601**; **EP 0236732 B1 19900321**; AT E51206 T1 19900415; CS 155687 A2 19911015; DE 3608536 C1 19870924; DE 3761969 D1 19900426; ES 2014437 B3 19900716; RU 1771465 C 19921023

DOCDB simple family (application)

EP 87101496 A 19870204; AT 87101496 T 19870204; CS 155687 A 19870309; DE 3608536 A 19860314; DE 3761969 T 19870204; ES 87101496 T 19870204; SU 4202096 A 19870309