

Title (en)  
HYDRAULIC CONTROL

Publication  
**EP 0179249 B1 19900314 (DE)**

Application  
**EP 85111444 A 19850910**

Priority  
DE 3434014 A 19840915

Abstract (en)  
[origin: US4676140A] A hydraulic control system for an elevator or other similar reciprocating user is disclosed, which comprises an adjustable throttle valve and a control or bypass valve disposed in the fluid supply line between the pump and elevator. A pressure difference balance is provided for controlling the operation of the control valve, and the pressure difference balance has one end operatively connected to the pressure provided by the pump, and the other end operatively connected to the pressure in the user or load line. The control valve is thus adapted to maintain a desired pressure difference across the throttle valve which is independent of the load on the user. In addition, the zero setting of the pressure difference balance is adjustable, so as to permit the system to be equally operable in both the upward and downward movements of the elevator.

IPC 1-7  
**B66B 1/04**; **G05D 7/00**

IPC 8 full level  
**F15B 11/05** (2006.01); **B66B 1/04** (2006.01); **G05D 7/00** (2006.01)

CPC (source: EP US)  
**B66B 1/24** (2013.01 - EP US)

Cited by  
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AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**US 4676140 A 19870630**; AT E51089 T1 19900315; CA 1243585 A 19881025; DE 3434014 A1 19860320; DE 3576584 D1 19900419; DK 167863 B1 19931227; DK 410485 A 19860316; DK 410485 D0 19850910; EP 0179249 A2 19860430; EP 0179249 A3 19870930; EP 0179249 B1 19900314; JP H0615881 B2 19940302; JP S61112801 A 19860530

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**US 77544085 A 19850912**; AT 85111444 T 19850910; CA 490527 A 19850912; DE 3434014 A 19840915; DE 3576584 T 19850910; DK 410485 A 19850910; EP 85111444 A 19850910; JP 20319585 A 19850913