

Title (en)

ELECTROHYDRAULIC LIFTING DEVICE FOR MOTOR VEHICLES

Title (de)

ELEKTROHYDRAULISCHE HEBEVORRICHTUNG FÜR MOTORFAHRZEUGE

Title (fr)

DISPOSITIF DE LEVAGE ELECTRO-HYDRAULIQUE POUR VEHICULES A MOTEUR

Publication

**EP 0724542 B1 19980513 (EN)**

Application

**EP 95900255 A 19941019**

Priority

- IT 9400176 W 19941019
- IT BO930421 A 19931022

Abstract (en)

[origin: WO9511190A1] The electrohydraulic lifting device for motor vehicles includes a pair of support platforms (1), respectively a first support platform and a second support platform, which are horizontal and parallel to each other, and mounted on respective tie rods (2) respectively actuated by a main cylinder (P1) and by a secondary cylinder (P2) fed by the same main cylinder (P1), under the control of a hydraulic control unit (16). The hydraulic control unit (16) is equipped with a synchronisation device (17) including a synchronization valve (18) aimed at connecting a hydraulic media conduit (20), delivering hydraulic fluid to the said main cylinder (P1), with a recycling conduit (22) leading a suitable volume of hydraulic fluid from the same main cylinder (P1) to the secondary cylinder (P2), so that to compensate the inadequacy of the delivery of fluid to the secondary cylinder (P2), or alternatively aimed at deviating an exceeding part of the recycled fluid to a discharge, respectively at the starting and when the support platforms (1) are getting into alignment at the floor level.

IPC 1-7

**B66F 7/20**; **B66F 7/08**; **F15B 11/22**

IPC 8 full level

**B66F 7/08** (2006.01); **B66F 7/20** (2006.01); **F15B 11/22** (2006.01)

CPC (source: EP)

**B66F 7/065** (2013.01); **B66F 7/08** (2013.01); **B66F 7/20** (2013.01); **F15B 11/22** (2013.01)

Cited by

CN1331725C; CN110219841A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

**WO 9511190 A1 19950427**; AT E166038 T1 19980515; AU 8114694 A 19950508; DE 69410283 D1 19980618; DE 69410283 T2 19981001; DE 724542 T1 19970403; EP 0724542 A1 19960807; EP 0724542 B1 19980513; ES 2116062 T3 19980701; IT 1264250 B1 19960923; IT BO930421 A0 19931022; IT BO930421 A1 19940122

DOCDB simple family (application)

**IT 9400176 W 19941019**; AT 95900255 T 19941019; AU 8114694 A 19941019; DE 69410283 T 19941019; DE 95900255 T 19941019; EP 95900255 A 19941019; ES 95900255 T 19941019; IT BO930421 A 19931022