

Title (en)

Device for replenishing the chambers of a hydraulic actuating cylinder

Title (de)

Vorrichtung zum Wiederbefüllen der Kammern eines hydraulischen Zylinders

Title (fr)

Dispositif de réalimentation des chambres d'un vérin hydraulique

Publication

EP 1467118 A3 20041103 (FR)

Application

EP 04290911 A 20040406

Priority

FR 0304385 A 20030409

Abstract (en)

[origin: EP1467118A2] The device has a hollow valve seat (5) extending longitudinally between two end portions. The seat is connected to a pressurized fluid source (18). Each end portion of the seat is connected to a chamber of a hydraulic jack and adapted to receive valves (7a, 7b) that control a supply of hydraulic fluid to the chamber. A valve return spring (6) is placed in the seat. Ends of the spring are attached to the valves.

IPC 1-7

F16F 9/512

IPC 8 full level

F15B 21/047 (2019.01)

CPC (source: EP US)

F15B 21/047 (2013.01 - EP US); **Y10T 137/2663** (2015.04 - EP US)

Citation (search report)

- [A] GB 2150259 A 19850626 - PIPE SUPPORTS LTD
- [A] US 6390254 B1 20020521 - BENNETT STEPHEN E [US], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08 30 June 1999 (1999-06-30)

Cited by

WO2007020052A1; US7377372B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1467118 A2 20041013; EP 1467118 A3 20041103; EP 1467118 B1 20051116; DE 602004000184 D1 20051222; DE 602004000184 T2 20060629; ES 2248786 T3 20060316; FR 2853708 A1 20041015; FR 2853708 B1 20050527; US 2004255772 A1 20041223; US 7007588 B2 20060307

DOCDB simple family (application)

EP 04290911 A 20040406; DE 602004000184 T 20040406; ES 04290911 T 20040406; FR 0304385 A 20030409; US 82057204 A 20040407