

Title (en)

A cushion valve for hydraulic remote controls of hydraulic directional valves

Title (de)

Dämpfungsventil für die hydraulische Steuerung hydraulischer Wegeventile

Title (fr)

Clapet d'amortissement pour dispositifs de commande hydraulique à distance de distributeurs hydrauliques

Publication

**EP 1522740 A1 20050413 (EN)**

Application

**EP 03425649 A 20031006**

Priority

EP 03425649 A 20031006

Abstract (en)

A cushion valve is applied to a directional valve (2) of known type, and comprises, on each line (4, 5) which takes fluid from the joystick (3) to the directional valve (2), a check valve (4a, 5a) and a pressure compensated flow control valve (4b, 5b) arranged in parallel on a relative line (4, 5) in order to obtain, on each line, according to circumstances, free delivery and controlled return of the fluid; each check valve (4a, 5a) located on a line (4, 5) being piloted to open by a pilot pressure constituted by a fluid pressure entering the check valve present on another line (4, 5). <IMAGE>

IPC 1-7

**F15B 13/042**

IPC 8 full level

**E02F 9/22** (2006.01); **F15B 13/042** (2006.01)

CPC (source: EP)

**E02F 9/2207** (2013.01); **F15B 13/0422** (2013.01)

Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 08 5 August 2002 (2002-08-05)
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Cited by

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Designated contracting state (EPC)

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