

Title (en)
Hydraulic control device

Title (de)
Hydraulische Steuereinrichtung

Title (fr)
Dispositif de commande hydraulique

Publication
EP 1589232 A3 20060329 (DE)

Application
EP 05008582 A 20050420

Priority
DE 102004020371 A 20040423

Abstract (en)
[origin: EP1589232A2] Hydraulic control device comprises a seat valve (4) which can be opened and closed simultaneously, together with and in the same direction with control valves (2, 3). Preferred Features: The seat valve is fixed to the outlets (A2, B2). One seat valve is open and the other valve is closed. The seat valves form one unit.

IPC 8 full level
E02F 3/65 (2006.01); **E02F 9/22** (2006.01); **F15B 11/00** (2006.01); **F15B 11/024** (2006.01); **F15B 11/16** (2006.01); **F15B 13/00** (2006.01); **F15B 13/01** (2006.01); **F15B 20/00** (2006.01)

CPC (source: EP)
E02F 9/226 (2013.01); **E02F 9/2267** (2013.01); **E02F 9/2271** (2013.01); **F15B 11/003** (2013.01); **F15B 11/024** (2013.01); **F15B 20/005** (2013.01); **F15B 2211/30525** (2013.01); **F15B 2211/3058** (2013.01); **F15B 2211/3116** (2013.01); **F15B 2211/31576** (2013.01); **F15B 2211/324** (2013.01); **F15B 2211/7128** (2013.01); **F15B 2211/7142** (2013.01)

Citation (search report)

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- [X] EP 0056770 A2 19820728 - BENDIX AUTOMATION [US]
- [A] GB 1264495 A 19720223
- [X] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12 26 December 1996 (1996-12-26)
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

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EP 1589232 A2 20051026; EP 1589232 A3 20060329; DE 102004020371 A1 20051110; EP 1890044 A1 20080220

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EP 05008582 A 20050420; DE 102004020371 A 20040423; EP 07017554 A 20050420