

Title (en)
Pressure cut-off valve with a shuttle valve piston

Title (de)
Druckabschneidungsventil mit Wechselventilkolben

Title (fr)
Vanne d'arrêt avec une piston de vanne distributrice

Publication
EP 0740083 A3 19980701 (DE)

Application
EP 96104154 A 19960315

Priority
DE 19512143 A 19950331

Abstract (en)
[origin: DE19512143C1] The valve (1) has a changeover piston (2b) which can slide between two end positions in a bore (3) under the action of the higher of the pressures in two pipes (A,B). The higher pressure is limited by a piston (5), when the changeover piston is in either end position. The changeover piston also makes a connection (6) in either of its end positions between the pipe with the lower pressure and at least one opening (7) for flushing out the working medium. It may have a seal (9) which seals the higher of the pressures from this opening. The connection may be made through a longitudinal section (8) of the piston which has a dia. which is less than that of the bore, and it may also have axial grooves (11).

IPC 1-7
F15B 13/02

IPC 8 full level
F15B 13/02 (2006.01)

CPC (source: EP)
F15B 13/02 (2013.01)

Citation (search report)
• [A] DE 2042094 A1 19710415 - ABEX CORP
• [DA] DE 3526581 A1 19870205 - GAG GRUBENAUSSBAU GMBH [DE]
• [DA] DE 4118244 A1 19921210 - HESSLER HEINZ [DE]
• [A] DE 3921292 A1 19910110 - REXROTH MANNESMANN GMBH [DE]

Cited by
CN103321983A; EP1176315A3

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DE FR GB IT SE

DOCDB simple family (publication)
DE 19512143 C1 19960725; DE 59606427 D1 20010322; EP 0740083 A2 19961030; EP 0740083 A3 19980701; EP 0740083 B1 20010214

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