

Title (en)
Pressure-actuated diverting valve

Title (de)
Druckmittelbetätigtes Umschaltventil

Title (fr)
Vanne de dérivation actionnée par pression

Publication
EP 0945687 A1 19990929 (EN)

Application
EP 99105040 A 19990322

Priority
IT VR980019 A 19980324

Abstract (en)
A pressure-actuated diverting valve (1) having a three-way valve portion (3) with a movable control valve element (38,39) for controlling the flow from a primary circuit, a diaphragm valve portion (2) for controlling the flow to a secondary circuit, a first control shaft (17) and a second control shaft (40) which are arranged parallel to, or aligned with, each other and are slidingly mounted on seals (19,51), the second control shaft (40) being designed to actuate the control element (38,39) and the first control shaft (17) being designed to be actuated by the diaphragm (10) of the diaphragm valve portion (2), and resilient loading means (48,24,16) for the control element (38,39) and for the diaphragm (10). Between the first control shaft (17) and the second control shaft (40) there is provided a transverse slider (61) which can move axially and has one end (62) operatively engaged with the first and second control shafts (17,40), so that the slider moves or rotates in one direction, if the control shafts (17,40) move mutually closer, and in the opposite direction, if they move apart, and its other end (64) arranged to actuate switching means (67,67a). <IMAGE>

IPC 1-7
F24D 19/10

IPC 8 full level
F24D 19/10 (2006.01)

CPC (source: EP US)
F24D 19/1066 (2013.01 - EP US)

Citation (search report)
• [AX] EP 0466010 A1 19920115 - FUGAZZA GIUSEPPE [IT]
• [A] EP 0447851 A2 19910925 - FUGAS DI FUGAZZA GIUSEPPE E BA [IT]
• [A] GB 2179410 A 19870304 - ROSSIGNOLI RENZO

Cited by
EP1406035A1; EP1422451A1; FR2813950A1; EP1188991A1

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