

Title (en)
Combined valve assembly

Title (de)
Kombinierte Ventilbaugruppe

Title (fr)
Ensemble soupape combiné

Publication
EP 0924438 A3 20000628 (DE)

Application
EP 98121507 A 19981113

Priority
DE 19756599 A 19971218

Abstract (en)
[origin: EP0924438A2] The assembly group (1) incorporates a valve cylinder (9) which has first (14) and second (15) radial apertures. The valve cylinder contains an axially movable valve piston (11), which has a recess (16) on a cover surface (17), which has a control edge (62) in the area of at least one of the two radial apertures of the valve cylinder. A measurement piston (19) is provided, fitted in an accommodation bore (40) of the valve piston. The valve piston has a set-back force applied to it by a spring (30).

IPC 1-7
F15B 13/042

IPC 8 full level
F04B 49/08 (2006.01); **F04B 49/22** (2006.01); **F15B 13/042** (2006.01)

CPC (source: EP)
F04B 49/08 (2013.01); **F04B 49/225** (2013.01)

Citation (search report)

- [DA] DE 2461897 A1 19760708 - BOSCH GMBH ROBERT
- [A] GB 1501761 A 19780222 - BOSCH GMBH ROBERT [DE]
- [A] DE 3812735 A1 19891026 - HAUHINCO MASCHF [DE]
- [A] US 4524803 A 19850625 - STOLL KURT [DE], et al

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DOCDB simple family (publication)
EP 0924438 A2 19990623; **EP 0924438 A3 20000628**; **EP 0924438 B1 20040107**; DE 19756599 A1 19990909; DE 19756599 C2 19991209; DE 59810544 D1 20040212

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