

Title (en)

Gun with manual shut off comprising a pressure-balanced hand lever

Title (de)

Handabschaltpistole mit druckentlastetem Handhebel

Title (fr)

Pistolet à commande manuelle avec levier à main équilibré en pression

Publication

**EP 1621254 A2 20060201 (DE)**

Application

**EP 05016042 A 20050723**

Priority

DE 102004037316 A 20040731

Abstract (en)

The manually shut-off gun for especially high pressure cleaning devices has a valve (5) in the gun housing (1) to close off a fluid delivery line (6). A valve component (14) is pressed against a valve seat (13) by force of a spring (15), whereby the valve component by means of a hand lever (2) via an operating rod (16) axially movable inside an operating bore (18) is lifted from the valve seat against the force of the spring, and the retention force of the hand lever during the opening and the keeping open of the valve is assisted indirectly through media pressure.

IPC 8 full level

**B05B 1/30** (2006.01); **B05B 9/01** (2006.01)

CPC (source: EP US)

**B05B 1/3006** (2013.01 - EP); **B05B 1/302** (2013.01 - EP); **B05B 12/002** (2013.01 - EP US)

Citation (applicant)

- DE 10159680 C1 20030508 - KAERCHER GMBH & CO ALFRED [DE]
- WO 03045572 A1 20030605 - KAERCHER GMBH & CO KG ALFRED [DE], et al
- DE 10237428 B3 20040415 - KAERCHER GMBH & CO KG ALFRED [DE]
- EP 1389495 A1 20040218 - KAERCHER GMBH & CO KG ALFRED [DE]

Cited by

CN109070106A; CN108894152A; EP1886732A1; CN112206940A; CN110685210A; CN108894151A; CN110312577A; WO2017178073A1

Designated contracting state (EPC)

CH DE DK GB LI NL

DOCDB simple family (publication)

**EP 1621254 A2 20060201**; **EP 1621254 A3 20070502**; **EP 1621254 B1 20080507**; DE 102004037316 A1 20060323;  
DE 502005003951 D1 20080619

DOCDB simple family (application)

**EP 05016042 A 20050723**; DE 102004037316 A 20040731; DE 502005003951 T 20050723