

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 A3 20070502 (DE)**

Application

**EP 05016042 A 20050723**

Priority

DE 102004037316 A 20040731

Abstract (en)

[origin: EP1621254A2] 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 (search report)

- [AD] EP 1389495 A1 20040218 - KAERCHER GMBH & CO KG ALFRED [DE]
- [A] EP 0846904 A1 19980610 - SUTTNER GMBH & CO KG [DE]
- [A] US 4009860 A 19770301 - LINGNAU HORST
- [A] US 6000637 A 19991214 - DUNCAN GORDON [US]

Cited by

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

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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DE 502005003951 D1 20080619

DOCDB simple family (application)

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