

Title (en)

Valve gun, in particular for high-pressure cleaning device.

Title (de)

Ventilpistole, insbesondere für ein Hochdruckreinigungsgerät.

Title (fr)

Pistolet à valve, en particulier pour appareil de nettoyage à haute pression.

Publication

EP 0408865 B1 19931222 (DE)

Application

EP 90109782 A 19900523

Priority

- DE 3923499 A 19890715
- DE 3926461 A 19890810

Abstract (en)

[origin: US5118080A] In a valve pistol, particularly for a high pressure cleaning device, with a pistol housing (1) with a handle (2), with a valve (3) placed in the pistol housing (1) that is opened against the system pressure by a force transmission element that is displaced against a valve body (9) by a hand lever (12) that is mounted so that it can be pivoted on a pivot pin (11) in the pistol housing (1). The hand lever (12) can be pivoted over a certain pivoting path and has an actuating arm (13) that engages against the force transmission element (10). In accordance with a preferred embodiment, with little construction expense, it can be achieved that the holding force required on the hand lever (12) can be made as small as possible even when the valve body is opened, in that the pivot pin (11) is mounted in the pistol housing (1) or in the hand lever in a slot (14) extending approximately in the direction of movement of the force transmission element (10) and can be shifted in this slot, so that a shifting movement is partially superposed on the pivoting movement of hand lever (12) around the pivot pin (11), that the shifting movement of hand lever (12) is derived from its pivoting movement and for this purpose an effective drive connection, particularly a wedge-like connection is provided between the hand lever (12) and the pistol housing (1) or an L-shaped part for the pressure medium, and that a drive part is mounted on the hand lever (12) at a distance from the pivot pin (11) and a stationary support part, particularly a support roller (b 17), is installed on the pistol housing (1) or on the L-shaped part (6).

IPC 1-7

B05B 1/30; **B08B 3/02**

IPC 8 full level

B05B 1/30 (2006.01); **B08B 3/02** (2006.01)

CPC (source: EP US)

B05B 1/30 (2013.01 - EP US); **B05B 12/002** (2013.01 - EP US); **B08B 3/028** (2013.01 - EP US); **Y10T 74/20612** (2015.01 - EP US)

Citation (examination)

DE 3518492 A1 19861127 - KOPPERSCHMIDT MUELLER & CO [DE]

Cited by

EP1389495A1; US5525046A; DE19614663A1; DE19614663C2; EP3450025A1; US10422325B2; US11371492B2; EP3296021A1; EP3858489A1

Designated contracting state (EPC)

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