

Title (en)

High-pressure trigger with force actuating mechanism using a single-elbow mechanism

Title (de)

Hochdruckauslösehebel mit Kraftbetätigungsmechanismus mit individuellem Übersetzungshebel

Title (fr)

Gâchette haute pression munie d'un mécanisme de transmission de force à simple rapport

Publication

**EP 2165768 B1 20120808 (EN)**

Application

**EP 08016362 A 20080917**

Priority

EP 08016362 A 20080917

Abstract (en)

[origin: EP2165768A1] A trigger gun (1) for a high-pressure washer is disclosed, where the trigger gun comprises a handle (2), a valve (3) rigidly supported by the handle and having an open state and a closed state, a trigger having a first area or point of contact (5) for manually applying a force, and a trigger mechanism. The valve (3) further comprises an actuation element (6) for the opening and closing of the valve, while the trigger mechanism provides cooperation between the trigger and the actuation element for enabling a manual control of the opening and closing of the valve. The trigger mechanism further comprises a mechanical linkage constituted by the handle (2), the trigger (3), an elbow link (7), and a rocker arm (8), which are pivotally connected in a closed loop. The rocker arm has a second area or point of contact (9) for cooperation with the actuation element (6), whereby the trigger mechanism converts a force of action applied at the first area or point of contact (5) to an amplified force of reaction at the second area or point of contact (9) acting on the actuation element (6).

IPC 8 full level

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CPC (source: EP US)

**B05B 1/302** (2013.01 - EP); **B05B 12/002** (2013.01 - EP US); **B08B 3/028** (2013.01 - EP); **B05B 9/01** (2013.01 - EP)

Cited by

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