

Title (en)  
VALVE GUN FOR A HIGH-PRESSURE CLEANING DEVICE

Title (de)  
VENTILPISTOLE FÜR EIN HOCHDRUCKREINIGUNGSGERÄT

Title (fr)  
PISTOLET À VALVE POUR APPAREIL DE NETTOYAGE HAUTE PRESSION

Publication  
**EP 3079833 A1 20161019 (DE)**

Application  
**EP 13815707 A 20131212**

Priority  
EP 2013076457 W 20131212

Abstract (en)  
[origin: WO2015086085A1] The invention relates to a valve gun (10; 120) for a high-pressure cleaning device, with a housing (12; 122) and a valve (20; 132) arranged in the housing (12; 122), which valve has a closing element (68) which bears tightly against a valve seat (72) in a closed position and can be acted on by a valve plunger (66) with an opening force for displacing the closing element (68) into an open position, and with a triggering lever (34; 154) pivotably mounted about a first pivot axis (36; 156), which triggering lever is mechanically coupled to the valve plunger (66) and can be pivoted manually from an inoperative position into a release position. In order to develop the valve gun such that it has a simple structural design, is simple to handle and has low susceptibility to malfunctions, it is proposed that the triggering lever (34; 154) is coupled to the valve plunger (66) via a coupling lever (32; 142) pivotably mounted about a second pivot axis (60; 158), wherein the coupling lever (32; 142) has an actuating element (64; 144) via which the valve plunger (66) can be acted on with the opening force, and wherein the coupling lever (32; 142) has a first and a second force absorption element, wherein, when pivoting the triggering lever (34; 154) from the inoperative position into the release position, at first the first force absorption element and then the second force absorption element can be acted on with a triggering force and wherein the first force absorption element is at a greater distance from the second pivot axis (60; 158) than the second force absorption element.

IPC 8 full level  
**B05B 9/01** (2006.01); **B05B 12/00** (2006.01)

CPC (source: EP US)  
**B05B 1/302** (2013.01 - EP US); **B05B 9/01** (2013.01 - EP US); **B05B 12/002** (2013.01 - US); **B05B 12/0026** (2018.07 - EP US)

Citation (search report)  
See references of WO 2015086085A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2015086085 A1 20150618**; **WO 2015086085 A9 20180511**; CN 105813763 A 20160727; CN 105813763 B 20181113; DK 3079833 T3 20181217; DK 3450025 T3 20201026; EP 3079833 A1 20161019; EP 3079833 B1 20180926; EP 3450025 A1 20190306; EP 3450025 B1 20200812; US 2016288148 A1 20161006

DOCDB simple family (application)  
**EP 2013076457 W 20131212**; CN 201380081483 A 20131212; DK 13815707 T 20131212; DK 18194904 T 20131212; EP 13815707 A 20131212; EP 18194904 A 20131212; US 201615178212 A 20160609