

Title (en)
Spray pistol.

Title (de)
Sprühgerät.

Title (fr)
Pistolet de pulvérisation.

Publication
EP 0064695 A2 19821117 (DE)

Application
EP 82103703 A 19820430

Priority
DE 3118207 A 19810508

Abstract (en)
[origin: US4403738A] This invention relates to an improved sprayer means wherein the improvement comprises (a) a pressurized water feed, having a minimum pressure valve unit and leading to the mixing chamber of the nozzle spray head, which water feed is fed first to a water motor provided with a drive piston driven by the pressure of the inflowing water and then to a double-action metering pump having a metering piston coupled with said drive piston of the water motor, the cross-sectional area of the metering piston and the cross-sectional area of the drive piston being in a predetermined ratio; (b) a flexible container for chemicals residing in a detachable rigid vessel connected to a metering outlet line of the metering pump, said flexible container being connected by the mixing chamber of the nozzle spray head by a container outlet valve and a container line, the chemicals being displaced from the flexible container by water metered through the metering outlet line into the vessel; and (c) a feedback line leading from the cylinder of the metering pump to a pressure water connection valve that is capable of closing in the event of overpressure in the metering pump to shut off inflowing pressurized water.

Abstract (de)
Das Sprühgerät besitzt einen Vorratsbehälter (10) aus dem bei Betrieb Chemikalien in einen Wasserstrom eindosiert werden. Ein druck- und durchflußunabhängiges, mengenproportionales Dosieren sowie ein Abschalten bei Chemikalienmangel wird erreicht durch einen die Dosierpumpe (8) antreibenden und selbst vom Wasserdruck getriebenen Wassermotor (9), durch Trennen von Wasser und Chemikal in der Dosierpumpe (8) und durch eine bei Überdruck in der Dosierpumpe (8) den Hauptwasserzufluß (36) über ein Ventil (35) sperrende Rückkopplungsleitung (37).

IPC 1-7
B05B 7/04; **B05B 7/32**; **B05B 7/12**

IPC 8 full level
B05B 7/02 (2006.01); **B05B 7/04** (2006.01); **B05B 7/12** (2006.01); **B05B 7/24** (2006.01); **B05B 7/32** (2006.01); **B05B 9/043** (2006.01)

CPC (source: EP US)
B05B 7/2445 (2013.01 - EP US); **B05B 7/2478** (2013.01 - EP US); **B05B 7/2481** (2013.01 - EP US)

Cited by
RU2608490C2; RU2608490C9; EP4000744A1; EP3630370A4; DE102016125462A1; US11318488B2; WO2013134182A1; WO2007088720A1; DE202016107283U1

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