

Title (en)

Metering pump, spraying device for spraying agents and method for operating such a spraying device

Title (de)

Dosierpumpe, Spritzvorrichtung zum Versprühen von Spritzmitteln sowie Verfahren zum Betreiben einer solchen Spritzvorrichtung

Title (fr)

Pompe de dosage, dispositif de pulvérisation pour la pulvérisation de moyens de pulvérisation tout comme procédé de fonctionnement d'un tel dispositif de pulvérisation

Publication

EP 1906013 A3 20101110 (DE)

Application

EP 07018175 A 20070917

Priority

DE 102006045450 A 20060919

Abstract (en)

[origin: EP1906013A2] The pump (10) has a conveying area (20) with a liquid inlet (12) and a liquid outlet (16) that are lockable with valves (14, 18) e.g. check valves, where the valves are formed in a self-closable manner and are unlocked by an unlocking device. Each valve is separately controllable for unlocking, where the unlocking device is pneumatically, hydraulic and/or electrically activated. The unlocking device acts on a valve body of the valve, which is designed as a ball or a cylinder. An independent claim is also included for a method for operating of a spraying device.

IPC 8 full level

F04B 13/00 (2006.01); **F04B 23/02** (2006.01); **F04B 49/00** (2006.01); **F04B 49/03** (2006.01); **F04B 53/00** (2006.01)

CPC (source: EP US)

F04B 13/00 (2013.01 - EP US); **F04B 15/00** (2013.01 - EP US)

Citation (search report)

- [Y] DE 102004047585 A1 20060330 - LECHLER GMBH [DE]
- [Y] DE 19527402 A1 19970130 - TEVES GMBH ALFRED [DE]
- [A] DE 10162773 A1 20030710 - KNF FLODOS AG SURSEE [CH]
- [A] WO 9635876 A1 19961114 - SAWATZKI HARRY L [LI]
- [A] DE 2042690 A1 19720302

Cited by

DE102017220024A1; AT14837U1; EP3332639A1; US11779006B2; EP2611289B1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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