

Title (en)
FLUID PRODUCT SPRAY DEVICE

Title (de)
FLÜSSIGPRODUKT-SPRÜHEINRICHTUNG

Title (fr)
DISPOSITIF DE PULVERISATION DE PRODUIT FLUIDE.

Publication
EP 1695042 A1 20060830 (FR)

Application
EP 04805778 A 20041026

Priority
• FR 2004050535 W 20041026
• FR 0312587 A 20031028

Abstract (en)
[origin: FR2861460A1] Atomizer spray comprising a pump (10) that is actuated manually by a head (20) and incorporates a detector (30) that detects the distribution of a dose of the product and sends a signal to inform the user, where the pump is connected to an atomizing orifice (40) by a channel (50) to which the detector, which has a pressure sensor, is connected, is new. Atomizer spray comprises a pump (10) that is actuated manually by a head (20) and incorporates a detector (30) that detects the distribution of a dose of the product and sends a signal to inform the user, where the pump is connected to an atomizing orifice (40) by a channel (50) to which the detector, which has a pressure sensor, is connected. The detector is connected via an electronic processor to an indicator or dose counter.

IPC 8 full level
G01F 15/06 (2006.01); **A61M 11/00** (2006.01); **A61M 15/00** (2006.01); **B05B 11/00** (2006.01); **B05B 12/08** (2006.01); **G01F 11/08** (2006.01)

CPC (source: EP US)
A61M 15/0065 (2013.01 - EP US); **A61M 15/0068** (2014.02 - EP US); **B05B 11/108** (2023.01 - EP US); **G01F 11/082** (2013.01 - EP US); **G01F 15/06** (2013.01 - EP US); **A61M 15/008** (2014.02 - EP US); **A61M 2205/581** (2013.01 - EP US); **A61M 2205/583** (2013.01 - EP US)

Citation (search report)
See references of WO 2005043094A1

Citation (examination)
US 2003052196 A1 20030320 - FUCHS KARL-HEINZ [DE]

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
FR 2861460 A1 20050429; **FR 2861460 B1 20070309**; CN 100410631 C 20080813; CN 1875248 A 20061206; EP 1695042 A1 20060830; JP 2007509674 A 20070419; JP 4778905 B2 20110921; US 2007272764 A1 20071129; WO 2005043094 A1 20050512

DOCDB simple family (application)
FR 0312587 A 20031028; CN 200480031917 A 20041026; EP 04805778 A 20041026; FR 2004050535 W 20041026; JP 2006537383 A 20041026; US 57785004 A 20041026