

Title (en)

Fluid circulation device and adapted atomizer

Title (de)

Flüssigkeitszirkulationsvorrichtung und dazugehöriger Zerstäuber

Title (fr)

Organe de circulation de fluide, et dispositif de vaporisation le comportant

Publication

**EP 1743706 B1 20080716 (FR)**

Application

**EP 06290925 A 20060607**

Priority

FR 0507530 A 20050713

Abstract (en)

[origin: EP1743706A1] The unit has a nozzle (34) with a spray hole and a fluid circulation channel between the hole and a supply opening, where the unit is formed of a single piece of plastic material. A push rod (30) has a cavity to accommodate a pump rod, and a channel connecting the cavity to the opening. A flexible connection unit (38) is connected to the push rod and the nozzle. The flexibility of the unit (38) allows a relative displacement of the push rod and the nozzle in the push rod-nozzle direction and in an activation direction which is perpendicular to the push rod-nozzle direction. An independent claim is also included for a fluid spray device comprising a fluid circulation unit.

IPC 8 full level

**B05B 11/00** (2006.01)

CPC (source: EP US)

**B05B 11/1011** (2023.01 - EP US); **B05B 11/1015** (2023.01 - EP US); **B05B 11/1057** (2023.01 - EP US)

Cited by

FR3014650A1; US9987647B2; WO2015091483A1

Designated contracting state (EPC)

DE ES FR GB IT

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**EP 1743706 A1 20070117**; **EP 1743706 B1 20080716**; DE 602006001801 D1 20080828; ES 2309927 T3 20081216; FR 2888569 A1 20070119; FR 2888569 B1 20070907; US 2007012315 A1 20070118

DOCDB simple family (application)

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