

Title (en)

SPRAY HEAD FOR A LIQUID-PRODUCT DISTRIBUTOR

Title (de)

ZERSTÄUBUNGSKOPF FÜR EINEN SPENDER FÜR MEDIEN

Title (fr)

TETE DE PULVERISATION POUR UN DISTRIBUTEUR DE PRODUIT FLUIDE

Publication

EP 1047505 B1 20040811 (FR)

Application

EP 99900925 A 19990115

Priority

- FR 9900063 W 19990115
- FR 9800442 A 19980116

Abstract (en)

[origin: FR2773784A1] Atomizing head has an outlet channel (1), an atomizing orifice (9), a spring-loaded shutter (10) urged towards its closed position, and a swirl chamber (20) which is at maximum volume when the shutter is in the atomizing position. Atomizing head has an outlet channel (1), an atomizing orifice (9), a spring-loaded shutter (10) urged towards its closed position, and a swirl chamber (20) which is at maximum volume when the shutter is in the atomizing position. The shutter (10) has the atomizing orifice and swirl channels (30) connecting the outlet channel to the swirl chamber when in the atomizing position, and the volume and shape of the channels remain constant whatever the position of the shutter. The parts of the atomizer head in contact with the product are of a bacteriostatic material.

IPC 1-7

B05B 11/00; **B05B 1/34**

IPC 8 full level

A61M 11/00 (2006.01); **B05B 1/34** (2006.01); **B05B 11/00** (2006.01)

CPC (source: EP US)

B05B 1/3436 (2013.01 - EP US); **B05B 1/3473** (2013.01 - EP US); **B05B 11/0067** (2013.01 - EP US); **B05B 11/0072** (2013.01 - EP US); **B05B 11/1016** (2023.01 - EP US); **B05B 11/1077** (2023.01 - EP US)

Cited by

US11311895B2; CN106535969A; EP3162402A4; RU2710346C2

DOCDB simple family (publication)

FR 2773784 A1 19990723; **FR 2773784 B1 20000324**; CN 1118333 C 20030820; CN 1288398 A 20010321; DE 69919321 D1 20040916; DE 69919321 T2 20050728; EP 1047505 A1 20001102; EP 1047505 B1 20040811; JP 2002509026 A 20020326; US 6443370 B1 20020903; WO 9936185 A1 19990722

DOCDB simple family (application)

FR 9800442 A 19980116; CN 99802181 A 19990115; DE 69919321 T 19990115; EP 99900925 A 19990115; FR 9900063 W 19990115; JP 2000539940 A 19990115; US 60013100 A 20001120