

Title (en)

MULTIFUNCTIONAL DEVICE FOR SPRAYING AND FUMIGATING A VAPORIZABLE FLUID MATERIAL

Title (de)

MEHRWERTIGE VORRICHTUNG ZUR ZERSTÄUBUNG UND VERDAMPFUNG VON VERSPRITZBARER FLÜSSIGKEIT

Title (fr)

DISPOSITIF POLYVALENT DE PULVERISATION ET DE FUMIGATION DE SUBSTANCE FLUIDE VAPORISABLE

Publication

EP 0705139 A1 19960410 (FR)

Application

EP 94918856 A 19940609

Priority

- EP 9401880 W 19940609
- FR 9307176 A 19930615

Abstract (en)

[origin: US5825975A] PCT No. PCT/EP94/01880 Sec. 371 Date Jun. 10, 1996 Sec. 102(e) Date Jun. 10, 1996 PCT Filed Jun. 9, 1994 PCT Pub. No. WO94/29032 PCT Pub. Date Dec. 22, 1994The invention relates to multifunctional apparatus for spraying and fumigating a vaporizable fluid, the apparatus comprising an actuator head (1), a tank (100) containing said fluid, and a pump mounted on the tank, wherein the actuator head (1) includes electromechanical means for actuating the pump and an electronic control and power supply circuit (101) having a microprocessor. The invention is characterized in that the apparatus further includes a regulated electrical heater element adapted to be placed facing the outlet nozzle of the pump to receive said fluid sprayed by the pump and to vaporize it, the apparatus including means for detecting the presence of said regulated heater element facing the outlet nozzle of the pump, for detecting operation of said regulated heater element, and for transmitting a signal to said microprocessor indicating that the regulated heater element is present and operating, and said microprocessor is programmed to control actuation of the pump automatically at predetermined time intervals while it is receiving said signal indicating that the regulated heater element is present and operating.

IPC 1-7

B05B 7/16; **B05B 11/00**; **B05B 17/04**

IPC 8 full level

B05B 9/00 (2006.01); **B05B 7/16** (2006.01); **B05B 11/00** (2006.01); **B05B 12/00** (2018.01); **B05B 17/04** (2006.01)

CPC (source: EP KR US)

B05B 7/16 (2013.01 - KR); **B05B 7/1686** (2013.01 - EP US); **B05B 11/1052** (2023.01 - EP US); **B05B 12/00** (2013.01 - EP US); **B05B 17/04** (2013.01 - EP US); **B05B 11/1018** (2023.01 - EP US)

Citation (search report)

See references of WO 9429032A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LU NL PT SE

DOCDB simple family (publication)

US 5825975 A 19981020; AT E163871 T1 19980315; AU 677344 B2 19970417; AU 6999894 A 19950103; CA 2165319 A1 19941222; DE 69408984 D1 19980416; DE 69408984 T2 19981119; EP 0705139 A1 19960410; EP 0705139 B1 19980311; ES 2117277 T3 19980801; FR 2706330 A1 19941223; FR 2706330 B1 19950825; JP H08511467 A 19961203; KR 960703040 A 19960619; NZ 267639 A 19970526; WO 9429032 A1 19941222

DOCDB simple family (application)

US 56405496 A 19960610; AT 94918856 T 19940609; AU 6999894 A 19940609; CA 2165319 A 19940609; DE 69408984 T 19940609; EP 9401880 W 19940609; EP 94918856 A 19940609; ES 94918856 T 19940609; FR 9307176 A 19930615; JP 50132995 A 19940609; KR 19950705695 A 19951214; NZ 26763994 A 19940609