

Title (en)

Rechargeable device for spraying a fluid

Title (de)

Nachfüllbare Vorrichtung zum Sprühen einer Flüssigkeit

Title (fr)

Dispositif rechargeable de pulvérisation d'une substance fluide

Publication

**EP 0546898 B1 19960410 (FR)**

Application

**EP 92403276 A 19921204**

Priority

FR 9115541 A 19911213

Abstract (en)

[origin: EP0546898A1] Rechargeable device for spraying a fluid, which includes an actuation head (1) and a removable reservoir (100) containing the said fluid, in which the actuation head (1) includes a solenoid (13) and a core (12) sliding axially in the said solenoid between predetermined high and low positions, in which the removable reservoir (100) includes a neck (5) in which a pump (6) is engaged, in which a pusher (10) provided with a side exit nozzle (11) is fixed to a rod for actuating the pump, and the said pusher is fixed, in a removable manner, to the said core (12) by an axial fitting operation onto one end of the said core, and in which the neck (5) of the reservoir includes a removable plug (50) to which the pump (6) is fixed, the said head includes a spraying cavity (105), the device furthermore includes angular positioning members (106, 107) for positioning the said side nozzle opposite the side cavity and precise axial positioning members for positioning the pump (6) at a specified distance from the said solenoid (13), and the pump body (7) is fitted, in sealed contact, into the neck (5) of the reservoir in order to communicate with the said fluid contained in the reservoir. <IMAGE>

IPC 1-7

**B05B 11/00**; **B65D 47/34**

IPC 8 full level

**B05B 11/00** (2006.01); **B65D 83/76** (2006.01)

CPC (source: EP US)

**B05B 11/0013** (2013.01 - EP US); **B05B 11/0097** (2013.01 - EP US); **B05B 11/027** (2023.01 - EP US); **B05B 11/028** (2023.01 - EP US); **B05B 11/1018** (2023.01 - EP US); **B05B 11/1047** (2023.01 - EP US); **B05B 11/1052** (2023.01 - EP US)

Cited by

FR2710612A1; EP1714706A3; GB2340190A; GB2340190B; FR2988080A1; EP3088089A1; FR3035572A1; EP0661101A1; FR2792622A1; EP3406350A1; IT201700056483A1; US10689183B2; US11090668B2; EP4299191A1; US10688512B2; WO0064594A1; WO2013153297A1; US9365319B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0546898 A1 19930616**; **EP 0546898 B1 19960410**; AT E136478 T1 19960415; AU 2987792 A 19930617; AU 662775 B2 19950914; CA 2085174 A1 19930614; DE 69209794 D1 19960515; DE 69209794 T2 19961212; ES 2088561 T3 19960816; FR 2684901 A1 19930618; FR 2684901 B1 19940225; JP H05330580 A 19931214; US 5417258 A 19950523

DOCDB simple family (application)

**EP 92403276 A 19921204**; AT 92403276 T 19921204; AU 2987792 A 19921203; CA 2085174 A 19921211; DE 69209794 T 19921204; ES 92403276 T 19921204; FR 9115541 A 19911213; JP 35239192 A 19921211; US 98841992 A 19921209