

Title (en)

DEVICE FOR CLOSING THE DISPENSING ORIFICE OF A FLUID PRODUCT DISPENSER

Title (de)

VORRICHTUNG ZUM SCHLIESSEN DER ABGABEÖFFNUNG EINES FLÜSSIGKEITSSPENDERS

Title (fr)

DISPOSITIF POUR FERMER L'ORIFICE DE DISTRIBUTION D'UN DISTRIBUTEUR DE PRODUIT FLUIDE

Publication

EP 1169241 B1 20021211 (FR)

Application

EP 00917133 A 20000406

Priority

- FR 0000863 W 20000406
- FR 9904475 A 19990409

Abstract (en)

[origin: FR2791955A1] The invention concerns a device for closing the dispensing orifice (5) of a fluid product dispenser, comprising a removable cap (10) provided with a closure element (20) which, in closed position, closes said orifice (5). The invention is characterised in that said closure element (20) comprises a bactericidal and/or bateriostatic substance acting on the small amount of product remaining at said orifice (5) after the dispenser has been actuated.

IPC 1-7

B65D 81/28; B65D 53/00

IPC 8 full level

B65D 83/40 (2006.01); **A61J 1/05** (2006.01); **A61M 31/00** (2006.01); **B65D 47/12** (2006.01); **B65D 53/00** (2006.01); **B65D 81/28** (2006.01)

CPC (source: EP US)

B65D 47/12 (2013.01 - EP US); **B65D 81/28** (2013.01 - EP US)

Cited by

WO2011077059A1; WO2012001325A2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

FR 2791955 A1 20001013; FR 2791955 B1 20010622; CN 1110437 C 20030604; CN 1346325 A 20020424; DE 60000982 D1 20030123; DE 60000982 T2 20040226; EP 1169241 A1 20020109; EP 1169241 B1 20021211; JP 2002541034 A 20021203; JP 4414103 B2 20100210; US 6824015 B1 20041130; WO 0061454 A1 20001019

DOCDB simple family (application)

FR 9904475 A 19990409; CN 00806077 A 20000406; DE 60000982 T 20000406; EP 00917133 A 20000406; FR 0000863 W 20000406; JP 2000610743 A 20000406; US 95809701 A 20011005