

Title (en)

PRODUCT DISPENSING DEVICE COMPRISING A RESERVOIR HOUSED IN A CASING

Title (de)

ABGABEVORRICHTUNG FÜR MEDIEN MIT IN EINEM GEHÄUSE EINGEBETTETEM BEHÄLTER

Title (fr)

DISPOSITIF DE DISTRIBUTION D'UN PRODUIT COMPRENANT UN RESERVOIR LOGE DANS UN BOITIER

Publication

EP 1183194 A2 20020306 (FR)

Application

EP 00993399 A 20001211

Priority

- FR 0003464 W 20001211
- FR 9915649 A 19991213

Abstract (en)

[origin: WO0144076A2] The invention concerns a fluid product dispensing device comprising a reservoir (B), a pump (P) including two pump elements adapted to slide relative to each other in a so-called longitudinal direction and an outer casing (R) provided with a nozzle (10) dispensing the product and an actuating means for expelling a dose of product through the nozzle each time an action is exerted by the user of said actuating means, said actuating means comprising a pressing element (7, 8) accessible from outside the casing (R) and a force returning member, said pressing member being mobile substantially transversely to press on said force returning member between two longitudinal end parts, the transformation by said force returning member of the thrust force (F) exerted by the user into a longitudinal sliding force (F2) increasing while the thrust is being exerted.

IPC 1-7

B65D 83/76; **B65D 83/28**

IPC 8 full level

B05B 11/00 (2006.01); **B65D 47/34** (2006.01); **B65D 83/16** (2006.01)

CPC (source: EP US)

B05B 11/0038 (2018.07 - EP US); **B05B 11/1009** (2023.01 - EP US); **B05B 11/1011** (2023.01 - EP US); **B05B 11/1015** (2023.01 - EP US); **B05B 11/1056** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US); **B65D 83/20** (2013.01 - EP US); **B65D 83/267** (2013.01 - EP US)

Citation (search report)

See references of WO 0144076A2

Cited by

US8511515B2; EP2215922A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0144076 A2 20010621; **WO 0144076 A3 20011227**; AT E261879 T1 20040415; BR 0008794 A 20011023; DE 60009058 D1 20040422; DE 60009058 T2 20050310; EP 1183194 A2 20020306; EP 1183194 B1 20040317; ES 2213643 T3 20040901; FR 2802187 A1 20010615; FR 2802187 B1 20020222; US 2002134798 A1 20020926; US 6543653 B2 20030408

DOCDB simple family (application)

FR 0003464 W 20001211; AT 00993399 T 20001211; BR 0008794 A 20001211; DE 60009058 T 20001211; EP 00993399 A 20001211; ES 00993399 T 20001211; FR 9915649 A 19991213; US 91335701 A 20010813