

Title (en)
FLUID PRODUCT DISPENSER

Title (de)
SPENDER FÜR FLÜSSIGES PRODUKT

Title (fr)
DISTRIBUTEUR DE PRODUIT FLUIDE

Publication
EP 1397298 A1 20040317 (FR)

Application
EP 02732818 A 20020412

Priority
• FR 0201282 W 20020412
• FR 0108037 A 20010619

Abstract (en)
[origin: FR2825987A1] A clip like return spring (15) biases the deformable actuating wall (112) of a variable volume fluid reservoir (111) to a rest position, when the fluid reservoir is in a maximum volume. The return spring is arranged outside the reservoir, so as not to come in contact with the fluid stored in the reservoir.

IPC 1-7
B65D 83/00; **A45D 37/00**; **B05B 11/04**; **B65D 75/58**

IPC 8 full level
B05B 11/04 (2006.01); **B65D 75/58** (2006.01); **B65D 77/30** (2006.01); **B65D 83/00** (2006.01); **B65D 83/06** (2006.01); **B05B 11/00** (2006.01)

CPC (source: EP US)
B05B 11/042 (2013.01 - EP US); **B05B 11/048** (2013.01 - EP US); **B05B 11/1077** (2023.01 - EP US); **B65D 75/5811** (2013.01 - EP US); **B65D 75/5872** (2013.01 - EP US); **B65D 83/0055** (2013.01 - EP US); **B65D 83/06** (2013.01 - EP US); **B65D 2221/00** (2013.01 - EP US)

Citation (search report)
See references of WO 02102684A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
FR 2825987 A1 20021220; **FR 2825987 B1 20031212**; BR 0205617 A 20030708; BR 0205617 B1 20120502; CN 1187231 C 20050202; CN 1463241 A 20031224; DE 60205898 D1 20051006; DE 60205898 T2 20061019; EP 1397298 A1 20040317; EP 1397298 B1 20050831; ES 2247337 T3 20060301; JP 2004529833 A 20040930; US 2002190081 A1 20021219; US 6761288 B2 20040713; WO 02102684 A1 20021227

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