

Title (en)

PLASTIC CLOSING DEVICE WITH A PIERCING ELEMENT

Title (de)

VERSCHLIESSVORRICHTUNG AUS KUNSTSTOFF MIT DURCHSTOSSER

Title (fr)

DISPOSITIF DE FERMETURE EN PLASTIQUE DOTE D'UN PERFORATEUR

Publication

EP 1322523 B1 20081126 (DE)

Application

EP 01966937 A 20010927

Priority

- CH 0100582 W 20010927
- CH 19392000 A 20001003
- CH 21812000 A 20001109

Abstract (en)

[origin: WO0228728A1] The invention relates to a closing device (1) for a container (B) that comprises a bung-type lower part (2) with a cylindrical pour spout (20). The cylindrical pour spout has a female thread in which a cylindrical piercing element (3) that is open to both sides and that is provided with a male thread is retained by a screw connection. A screw cap (4) can be placed on the lower part, said screw cap being provided with driver means (44, 45) that interact with driver means (34) in the piercing element (3). A fine-pitch thread is provided between the screw cap (4) and the lower part and a coarse-pitch thread between the lower part and the piercing element. The combined screw/translational motion of the piercing element and the selected threads produce a highly effective cutting motion.

IPC 8 full level

B65D 5/74 (2006.01); **B67D 99/00** (2010.01); **B65D 47/36** (2006.01); **B65D 51/22** (2006.01)

CPC (source: EP US)

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Cited by

US11878903B2; US10676261B2; US11718457B2; US11390516B2

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DOCDB simple family (publication)

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