

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
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Application
EP 01966937 A 20010927

Priority

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- 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.

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IPC 8 full level
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CPC (source: EP US)
B65D 5/748 (2013.01 - EP US)

Citation (search report)
See references of WO 0228728A1

Cited by
US11878903B2; US10676261B2; US11718457B2; US11390516B2

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