

Title (en)
Container with threaded cap.

Title (de)
Behälter mit Schraubverschlusskappe.

Title (fr)
Récipient avec capuchon fileté de fermeture.

Publication
EP 0417554 A1 19910320 (DE)

Application
EP 90116604 A 19900830

Priority
DE 3930519 A 19890913

Abstract (en)
[origin: JPH03111263A] PURPOSE: To guarantee sealing resistant to leakage and dropping without foil for sealing by providing a ring shape groove in the inside back part of a screw cap closure end face, by making the groove opening narrower than its width, and by placing an O-ring in the groove. CONSTITUTION: A screw-cap closure 2 is provided with a conical sealing ring 10 which presses the mouth rim 5 of a pouring spout 3 from inside in a sealed condition in an air tight condition. A ring shape groove 11 is positioned at the inside back of the screw-cap closure 2 end face 6 between the conical sealing ring 10 and the peripheral wall 7. The opening part 12 of the ring shape groove is narrower than its width, an elastic O-ring 13 is positioned in the ring shape groove 11, and the mouth rim 5 is tightly attached to the peripheral wall 7 in a closed condition. By this, air tightness with resistance to leakage and dropping and without foil for air tightness can be guaranteed.

Abstract (de)
Bei Behältern (1) mit Schraubverschlußkappe (2) - beides aus Kunststoff - wird die Abdichtung und der feste Sitz der Schraubkappe (2) bei Fall dadurch verbessert, daß eine Konusringdichtung (10), welche von innen gegen den Mündungsrand (5) des Auslaufstutzens (3) drückt, mit einer O-Ringdichtung (13) kombiniert ist, welche in eine in die Stirnfläche (6) der Schraubverschlußkappe (2) zwischen Konusringdichtung (10) und Umfangswand (7) eingelassene hinterschnittene Ringnut (11) eingelegt ist, und wobei im Verschlußzustand der Mündungsrand (5) eng gegen die Umfangswandung (7) anliegt.

IPC 1-7
B65D 41/28; **B65D 53/02**

IPC 8 full level
B65D 41/04 (2006.01); **B65D 53/02** (2006.01)

CPC (source: EP US)
B65D 41/0414 (2013.01 - EP US); **B65D 41/0442** (2013.01 - EP US)

Citation (search report)
• [X] US 4844273 A 19890704 - HAWKINS H GENE [US]
• [A] US 3458079 A 19690729 - GASBARRA ANTHONY J

Cited by
ITMI20120443A1; EP2641841A1; WO0048919A1; DE102010028522A1; WO2011138062A1; EP3382239B1

Designated contracting state (EPC)
CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0417554 A1 19910320; DE 3930519 A1 19910321; DE 3930519 C2 19920730; JP H03111263 A 19910513; US 5060813 A 19911029

DOCDB simple family (application)
EP 90116604 A 19900830; DE 3930519 A 19890913; JP 23918290 A 19900911; US 57772290 A 19900905