

Title (en)

Closure for containers with side, top- facing openings, in particular for all types of boxes and paper cups

Title (de)

Verschluss für oben offene Hohlbehälter, insbesondere Dosen aller Art und Pappbecher

Title (fr)

Fermeture pour récipients comprenant une ouverture au sommet, en particulier pour boîtes de toutes sortes et récipients en papier

Publication

EP 0755871 A1 19970129 (DE)

Application

EP 96110168 A 19960624

Priority

DE 29510691 U 19950630

Abstract (en)

The seal consists of a circular inside cover (3) whose diameter matches that of the container. A raised area (18) runs along part of its circumference rising at an angle to the cover plane, and has ring flange (7), with an opening (11), along its rim. An outside cover (9) lies on at least part of the inside cover and connects to it via an articulated axle (20) so that it can swivel about 180 degrees . The inside cover's underside has a vapour diffusion barrier (16), in the form of a thin foil, over its entire surface. This barrier has a tear perforation in the area of the opening. The outside cover has a projection (10) filling the opening whose underside is flush with that of the inside cover. This underside is firmly connected to the vapour diffusion barrier. The lower part opening's wall facing the barrier has a circumferential groove (12), and the lower part of the projection has a circumferential bead (14) in the groove to engage the two covers.

Abstract (de)

Der Verschluss für oben offene Hohlbehälter (1) besteht aus einem im wesentlichen kreisförmigen Innendeckel (3) dessen Rand entlang eines Teiles seines Umfangs eine unter einem Winkel zur Deckelebene ansteigende Erhöhung aufweist; die Unterseite des Innendeckels ist mit einer Dampfdiffusionssperre (16) verbunden, die im Bereich einer Öffnung (11) im Innendeckel mit einer Aufreißperforation (19) versehen ist. <IMAGE>

IPC 1-7

B65D 47/08; **B65D 51/20**

IPC 8 full level

B65D 51/20 (2006.01); **B65D 17/28** (2006.01); **B65D 17/34** (2006.01); **B65D 43/04** (2006.01); **B65D 45/30** (2006.01); **B65D 47/08** (2006.01)

CPC (source: EP US)

B65D 45/30 (2013.01 - EP US); **B65D 47/0847** (2013.01 - EP US)

Citation (search report)

- [DA] DE 29504615 U1 19950518 - HORNIG WOLFGANG [DE]
- [A] DE 4340553 A1 19950601 - TETRA PAK APS GMBH [DE]
- [A] US 4280653 A 19810728 - ELIAS THOMAS C
- [A] FR 2634738 A1 19900202 - WEATHERCHEM CORP [US]
- [A] GB 2107291 A 19830427 - HAUGHTON W & E W LTD
- [A] US 4437574 A 19840320 - RUKLIC WILLIAM [US]
- [A] DE 2014367 A1 19711014

Cited by

US7721901B1; US7931163B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

DE 29510691 U1 19951109; AU 5627096 A 19970109; AU 700436 B2 19990107; BR 9602930 A 19980428; CA 2179958 A1 19961231; EP 0755871 A1 19970129; JP H09221161 A 19970826; US 5779088 A 19980714

DOCDB simple family (application)

DE 29510691 U 19950630; AU 5627096 A 19960701; BR 9602930 A 19960628; CA 2179958 A 19960626; EP 96110168 A 19960624; JP 18825896 A 19960628; US 67080896 A 19960625