

Title (en)

Opening device on the cover of a package for liquid products.

Title (de)

Öffnungsvorrichtung am Deckel einer Fließmittelpackung.

Title (fr)

Dispositif d'ouverture sur le couvercle d'un emballage de produits liquides.

Publication

EP 0597246 A3 19941228 (DE)

Application

EP 93116123 A 19931006

Priority

CH 319792 A 19921013

Abstract (en)

[origin: EP0597246A2] The opening device comprises a closure flap (7) which is pivotable about a hinge (2) and with which a pouring aperture (4) can be opened and closed again. The edge (5) of the pouring aperture (4) is elastically deformable. As a device for holding the closure flap (7) open in the opening position, a projection (12) is attached so that it projects from the lower edge (6) of the closure flap (7) downwards in such a way that said projection (12) is pulled beyond the edge (5) of the pouring aperture (4) during opening and is subsequently supported on said edge and holds the closure flap (7) open. For reclosure, the projection can be pressed by slight pressure beyond the edge of the pouring aperture. The novel design of the holding-open device proposed advantageously prevents damage to said device in the closed state, for example when stacking packages provided with the opening device. Additionally, this holding-open device is very simple to produce. <IMAGE>

IPC 1-7

B65D 47/08

IPC 8 full level

B65D 5/74 (2006.01); **B65D 47/08** (2006.01); **B65D 47/36** (2006.01)

CPC (source: EP US)

B65D 47/0847 (2013.01 - EP US)

Citation (search report)

- [Y] EP 0004075 B1 19801029
- [YA] WO 9005093 A1 19900517 - PITTMAY CORP [US], et al
- [A] US 3262606 A 19660726 - WATERMAN NEIL S

Cited by

CN103640778A; US6932249B1; WO2022217766A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0597246 A2 19940518; EP 0597246 A3 19941228; EP 0597246 B1 19971203; AT E160749 T1 19971215; CH 685550 A5 19950815; DE 59307782 D1 19980115; GR 3025900 T3 19980430; JP 3496032 B2 20040209; JP H06345081 A 19941220; NZ 248928 A 19950427; US 5791508 A 19980811

DOCDB simple family (application)

EP 93116123 A 19931006; AT 93116123 T 19931006; CH 319792 A 19921013; DE 59307782 T 19931006; GR 980400073 T 19980114; JP 28062193 A 19931013; NZ 24892893 A 19931012; US 13502693 A 19931012