

Title (en)

Easy-open metal cover for a container.

Title (de)

Leicht zu öffnender Metalldeckel für einen Behälter.

Title (fr)

Couvercle métallique à ouverture facile pour récipient.

Publication

EP 0425401 B1 19940706 (FR)

Application

EP 90470057 A 19901010

Priority

FR 8914383 A 19891027

Abstract (en)

[origin: EP0425401A1] The invention relates to a cover for a leaktight container which can be opened along a line of least resistance, by simple pulling, of the type comprising a fold (4) forming an angle which is substantially a right angle and constituting the said line of least resistance, characterised in that it is produced by stamping a sheet of steel of a thickness less than or equal to 0.16 mm. The line of least resistance permits the total or partial opening of the container. <??>The cover is preferably made from steel of a thickness of 0.10 to 0.16 mm and, at the level of the fold (4), the inner radius of curvature of the cover is from 10 to 50 mu m and the outer radius of curvature of the cover is from 100 to 200 mu m. <??>The invention applies to leaktight metal containers, such as "beverage" foodstuff cans or tray-type containers for precooked dishes. <IMAGE>

IPC 1-7

B65D 17/28; **B21D 51/38**

IPC 8 full level

B21D 51/38 (2006.01); **B65D 17/28** (2006.01); **B65D 17/40** (2006.01)

CPC (source: EP KR US)

B21D 51/383 (2013.01 - EP US); **B65D 17/00** (2013.01 - KR); **B65D 17/404** (2017.12 - EP US)

Cited by

EP0542104A1; US5348809A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0425401 A1 19910502; **EP 0425401 B1 19940706**; AT E108159 T1 19940715; CA 2028545 A1 19910428; DE 69010451 D1 19940811; DE 69010451 T2 19941201; DK 0425401 T3 19941114; ES 2058863 T3 19941101; FI 905263 A0 19901025; FI 94114 B 19950413; FI 94114 C 19950725; FR 2653750 A1 19910503; FR 2653750 B1 19920124; JP H03148445 A 19910625; KR 910007765 A 19910530; NO 904591 D0 19901024; NO 904591 L 19910429; PT 95714 A 19910913; US 5147058 A 19920915

DOCDB simple family (application)

EP 90470057 A 19901010; AT 90470057 T 19901010; CA 2028545 A 19901025; DE 69010451 T 19901010; DK 90470057 T 19901010; ES 90470057 T 19901010; FI 905263 A 19901025; FR 8914383 A 19891027; JP 29060990 A 19901026; KR 900017180 A 19901026; NO 904591 A 19901024; PT 9571490 A 19901026; US 60497490 A 19901026