

Title (en)

Self-closing can for a food product

Title (de)

Selbstschließende Dose für ein Lebensmittelprodukt

Title (fr)

Canette à fermeture automatique pour produit alimentaire

Publication

**EP 2426058 A1 20120307 (EN)**

Application

**EP 10174888 A 20100901**

Priority

EP 10174888 A 20100901

Abstract (en)

A metal beverage can for a food product is described, especially for a carbonated drink, including a body (1,101) and a can end (2,102). The can end includes: - a cap top (3,103), arranged in connection to a pull tab (4,104) configured to remove the cap top along a pre-defined groove (9,109), to thereby create a drinking or pouring aperture, the cap top including a raised lip-contact portion (7,107) on its upper surface; - a resiliently operated shut-off valve (6,106) configured to open the drinking or pouring aperture under pressure during drinking or pouring and to seal off the drinking or pouring opening after drinking or pouring. The cap top is configured to remain located, after the removal, on top of the shut-off valve (6,106), and the shut-off valve includes a relief valve (8,108), actuatable by interaction with the cap top (3,103) and configured to release gas pressure from inside the can, upon the first contact pressure, e.g. exerted by the drinker's lips.

IPC 8 full level

**B65D 17/32** (2006.01)

CPC (source: EP)

**B65D 17/4014** (2017.12); **B65D 2517/0014** (2013.01); **B65D 2517/0028** (2013.01); **B65D 2517/0044** (2013.01); **B65D 2517/0094** (2013.01)

Citation (applicant)

- US 4784283 A 19881115 - CANTU PAUL [US]
- US 5810189 A 19980922 - BAKER ANTHONY LEONARD [GB]
- US 2008314904 A1 20081225 - PERRA NICOLA [NL]

Citation (search report)

- [AD] US 5810189 A 19980922 - BAKER ANTHONY LEONARD [GB]
- [A] US 4190174 A 19800226 - HAIMOWITZ IRWIN [US]
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

**EP 2426058 A1 20120307**; UA 110625 C2 20160125; WO 2012028338 A1 20120308

DOCDB simple family (application)

**EP 10174888 A 20100901**; EP 2011052078 W 20110211; UA A201303922 A 20110901