

Title (en)

CAN LID AND METHOD FOR PRODUCING A CAN LID

Title (de)

DOSENDECKEL UND VERFAHREN ZUM HERSTELLEN EINES DOSENDECKELS

Title (fr)

COUVERCLE DE BOÎTE ET PROCÉDÉ DE PRODUCTION D'UN COUVERCLE DE BOÎTE

Publication

EP 4416070 A1 20240821 (DE)

Application

EP 22818724 A 20221118

Priority

- DE 102021131239 A 20211129
- EP 2022082447 W 20221118

Abstract (en)

[origin: CA3238375A1] A can lid comprises a metallic lid face in which an opening is formed, which opening is delimited by a closed edge of the lid face and is closed by a closure piece of the metallic lid face, wherein the closure piece is separated from the surrounding lid face by a micro-gap which extends at least in some sections around the edge of the lid face. A first end region of the closure piece is connected to the surrounding lid face via a pivot bearing. The can lid also comprises a tear-open element which acts on a second end region, opposite the pivot bearing, of the closure piece, so that it is possible to pivot the closure piece out of the plane defined by the opening by pulling on the tear-open element. The micro-gap is interrupted between the first end region and the second end region by at least one holding piece by which the closure piece and the surrounding lid face are integrally bonded to one another.

IPC 8 full level

B65D 17/28 (2006.01)

CPC (source: EP KR)

B65D 17/32 (2018.01 - KR); **B65D 17/4014** (2018.01 - EP KR); **B65D 2517/0013** (2013.01 - EP KR); **B65D 2517/0038** (2013.01 - EP KR); **B65D 2517/0082** (2013.01 - EP KR); **B65D 2517/0092** (2013.01 - EP KR)

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102021131239 A1 20230601; AR 127794 A1 20240228; AU 2022397928 A1 20240613; CA 3238375 A1 20230601; CN 118339082 A 20240712; EP 4416070 A1 20240821; EP 4420994 A2 20240828; EP 4420994 A3 20241030; KR 20240095287 A 20240625; MX 2024006296 A 20240612; PE 20241661 A1 20240809; TW 202335918 A 20230916; WO 2023094281 A1 20230601

DOCDB simple family (application)

DE 102021131239 A 20211129; AR P220103260 A 20221128; AU 2022397928 A 20221118; CA 3238375 A 20221118; CN 202280079304 A 20221118; EP 2022082447 W 20221118; EP 22818724 A 20221118; EP 24186230 A 20221118; KR 20247017442 A 20221118; MX 2024006296 A 20221118; PE 2024001140 A 20221118; TW 111145699 A 20221129