

Title (en)

TWO-PIECE TWIST-OFF LID FOR GLASS STORAGE JARS

Title (de)

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Title (fr)

COUVERCLE À DEUX COMPOSANTS "TWIST-OFF" POUR POTS DE CONSERVE EN VERRE

Publication

EP 3805125 C0 20230906 (EN)

Application

EP 18921282 A 20181227

Priority

- UA A201805998 A 20180530
- UA 2018000141 W 20181227

Abstract (en)

[origin: EP3805125A1] A two-piece twist-off lid for glass storage jars comprises of two separate parts: a covering disk and a threaded ring. The edge of the covering disk is curled upward to form a circular curl and is bent outward to form an annular channel for placing a seal and for seating the covering disc on the edge of the jar neck. The covering disk is made of elastic tinplate having a thickness of 0.08-0.16 mm and Rockwell hardness of 58-64. The cylindrical threaded ring is made of a plastic material and comprises retaining thread members for locking the ring on the jar neck. Said thread elements are embodied in the form of blade-like protrusions arranged at an angle along the circumference on the inner surface of the ring. The upper part of the threaded ring extends radially inward to form a retainer for the edge of the covering disk, wherein said retainer geometrically conforms to the curl of the covering disk. The design features of the proposed two-piece twist-off lid for glass storage jars provide a high degree of hermetic sealing, while the operating characteristics are consistent with the conditions of multiple use of the threaded ring as a component of the lid, and allow for the replacement of the covering disk.

IPC 8 full level

B65D 51/14 (2006.01)

CPC (source: EP)

B65D 51/145 (2013.01)

Cited by

EP4166472A1

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 RS SE SI SK SM TR

Participating member state (EPC – UP)

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DOCDB simple family (publication)

EP 3805125 A1 20210414; EP 3805125 A4 20211215; EP 3805125 B1 20230906; EP 3805125 C0 20230906; EA 038807 B1 20211022; EA 202000191 A1 20210312; ES 2971785 T3 20240607; PL 3805125 T3 20240304; UA 118247 C2 20181210; WO 2019231429 A1 20191205

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