

Title (en)

CONTAINER, CLOSURE, AND METHODS FOR MANUFACTURE

Title (de)

BEHÄLTER, VERSCHLUSS UND VERFAHREN ZUR HERSTELLUNG

Title (fr)

RÉCIPIENT, FERMETURE ET PROCÉDÉS DE FABRICATION

Publication

**EP 3917853 A4 20220330 (EN)**

Application

**EP 20866805 A 20200603**

Priority

- US 201962903245 P 20190920
- US 2020035840 W 20200603
- US 2019067485 W 20191219

Abstract (en)

[origin: EP4269272A2] The closure cap for a container, the closure cap comprising a base, a flip-top lid and a disk. The base comprises an outer skirt and an inner skirt connected by a planar section, a dome-shaped central portion having an opening disposed therein, the opening being generally aligned with an internal shaft extending from the dome-shaped surface and terminating at a non-planar end surface, and an internal annular attachment skirt depending from the dome-shaped central portion. The inner skirt includes threads disposed on an internal surface of the inner skirt. The flip-top lid comprises an interior projection disposed on an inner surface of the flip top lid, the flip-top lid being moveable between a first position in which the interior projection blocks the opening and a second position where the interior projection is not positioned in the opening. The disk comprises an exterior annular wall, partial annular slots and internal flanges. A mixing chamber is formed by the disk, the dome-shaped central portion, the internal annular attachment skirt and the internal shaft. One or more fluid channels are formed by the non-planar end surface of the internal shaft, the disk and the partial annular slots. The base comprises a first angled tip and/or the disk comprises a second angled tip.

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

- [A] WO 2009046553 A1 20090416 - DELTONA INNOVATIONS AG [CH], et al
- [A] WO 0006460 A1 20000210 - SEAQUIST LOEFFLER KUNSTSTOFFWERK GMBH [DE], et al
- [A] WO 0153782 A1 20010726 - CROWN CORK & SEAL TECH CORP [US]
- [A] WO 2009046551 A1 20090416 - DELTONA INNOVATIONS AG [CH], et al
- See references of WO 2021055026A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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