

Title (en)

Closure for container with labyrinth seal

Title (de)

Verschluss für einen Behälter mit einer Labyrinthdichtung

Title (fr)

Fermeture pour récipient avec joint d'étanchéité

Publication

**EP 2332851 A1 20110615 (EN)**

Application

**EP 10194743 A 20101213**

Priority

IT MI20092181 A 20091214

Abstract (en)

An improved closure (11) for containers, in particular drinks, comprising a main body (12), with a threaded locking ring, to be associated with a neck of a container, from which a tubular projection (14) extends, coupled with a cap element (21), said main body (12) having a central hole (15) concentric to said projection (14) and intercepted by an island flow control element (27) fixedly connected through radial bridges (26) with respect to said cap element (21), said cap element (21) having a tubular structure and being able to slide axially along said projection (14) from a lowered position, closing said hole (15) through said island flow control element (27), to a raised position opening up said hole (15) for the passage of the liquid, characterised in that said hole (15) is surrounded by an annular ridge (20) that extends coaxially inside said projection (14) towards said island flow control element (27) making a labyrinth seal when associated with the island flow control element (27) itself.

IPC 8 full level

**B65D 47/24** (2006.01)

CPC (source: EP)

**B65D 47/243** (2013.01)

Citation (search report)

- [A] US 2004129741 A1 20040708 - STONEBERG THOMAS C [US], et al
- [A] US 6213351 B1 20010410 - STONEBERG THOMAS C [US], et al

Cited by

IT201700048727A1; EP3094571A4; DE102016007556B3; EP3398873A1; US2018319551A1; IT201700048753A1; US10906705B2; WO2015108906A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2332851 A1 20110615; EP 2332851 B1 20130213**; IT 1397513 B1 20130116; IT MI20092181 A1 20110615

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