

## Title (en)

Hinged closure device with first-opening indicator

## Title (de)

Gelenkverschlussvorrichtung mit Anzeige der erstmaligen Öffnung

## Title (fr)

Dispositif de bouchage articulé avec indicateur de première ouverture

## Publication

**EP 2889232 B1 20161214 (FR)**

## Application

**EP 14199569 A 20141222**

## Priority

FR 1363511 A 20131224

## Abstract (en)

[origin: US2015175318A1] A closure device includes a first part forming a fastening base for fastening to the container neck and having at least one peripheral fastening groove and a second part forming a lid, a fastening ring defining a reference geometrical axis, and a hinge connecting the fastening ring to the lid for guiding the lid relative to the fastening ring between a closed position and an open position, the fastening ring being engaged by snap-in action into the fastening groove of the first part. The second part additionally also forms a first-opening indicator and a frangible connection between the first-opening indicator and a peripheral rim flange of the lid, a free space being maintained in the axial direction between the fastening ring and the first-opening indicator in the closed position prior to the first opening, the first-opening indicator being retained by at least one lock zone of the first part so as to be separated from the lid and drop into the free space upon the first opening.

## IPC 8 full level

**B65D 47/08** (2006.01)

## CPC (source: EP RU US)

**B65D 43/0235** (2013.01 - US); **B65D 43/0274** (2013.01 - US); **B65D 43/16** (2013.01 - US); **B65D 47/08** (2013.01 - RU); **B65D 47/0857** (2013.01 - EP US); **B65D 47/0861** (2013.01 - EP US); **B65D 2401/15** (2020.05 - EP US)

## Citation (opposition)

Opponent : Obrist Closures Switzerland GMBH

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## Designated contracting state (EPC)

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## DOCDB simple family (publication)

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## DOCDB simple family (application)

**EP 14199569 A 20141222**; AU 2014277846 A 20141222; CA 2876650 A 20141219; ES 14199569 T 20141222; FR 1363511 A 20131224; MX 2014015908 A 20141218; RU 2014152252 A 20141223; US 201414579093 A 20141222; US 201815949611 A 20180410