

Title (en)

INTEGRALLY MOULDED PLASTIC PLUG RING CAP

Title (de)

INTEGRAL GEFORMTE KUNSTSTOFFSTOPFENRINGKAPPE

Title (fr)

BOUCHON ANNULAIRE EN PLASTIQUE MOULÉ D'UN SEUL TENANT

Publication

**EP 3601084 A4 20210224 (EN)**

Application

**EP 18770415 A 20180323**

Priority

- IN 201721010214 A 20170323
- IB 2018051961 W 20180323

Abstract (en)

[origin: WO2018172979A1] A screw cap produced by a bi-injection moulding process is disclosed herein in which discrete thermoplastics are moulded sequentially for resulting correspondingly into a soft inner lip and outer hard shell for sealing containers or conduits having an externally threaded neck, said containers or conduits being directed at holding or conveying chemical, food, and pharmaceutical preparations.

IPC 8 full level

**B65D 41/04** (2006.01); **B65D 41/34** (2006.01); **B65D 51/16** (2006.01)

CPC (source: EP US)

**B65D 41/0442** (2013.01 - US); **B65D 41/325** (2013.01 - EP); **B65D 41/3409** (2013.01 - EP); **B65D 51/1616** (2013.01 - EP); **B65D 41/0414** (2013.01 - US); **B65D 2401/15** (2020.05 - US)

Citation (search report)

- [XY] EP 1698564 A1 20060906 - BERICAP [FR]
- [Y] EP 3144245 A1 20170322 - MOULD & MATIC SOLUTIONS GMBH [AT]
- [A] FR 2631933 A1 19891201 - ASTRA PLASTIQUE [FR]
- [A] WO 2016124260 A1 20160811 - OBRIST CLOSURES SWITZERLAND [CH]
- See references of WO 2018172979A1

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)

**WO 2018172979 A1 20180927**; EP 3601084 A1 20200205; EP 3601084 A4 20210224; US 2020062459 A1 20200227

DOCDB simple family (application)

**IB 2018051961 W 20180323**; EP 18770415 A 20180323; US 201816487438 A 20180323