

Title (en)
CAP FOR SEALING A PACKAGE

Title (de)
KAPPE ZUM ABDICHTEN EINER VERPACKUNG

Title (fr)
CAPUCHON DE FERMETURE D'UN EMBALLAGE

Publication
EP 4206086 A1 20230705 (EN)

Application
EP 22216980 A 20221228

Priority
EP 21218011 A 20211228

Abstract (en)
A cap (102) for sealing a package by applying the cap (102) onto a neck (200) of the package, said cap (102) comprising an inner thread (218) arranged on an inner side wall surface (216) of the cap (102), and an inner cylindrical body (300) extending from an inner top surface (207) of the cap (102), wherein the inner cylindrical body (300) comprises a peripheral end (306) arranged to guide the inner cylindrical body (300) into the neck (200), an annular sealing protrusion (304) extending radially outwards from the inner cylindrical body (300) towards the inner side wall surface (216), and a concavely shaped transition portion (308) located between the annular sealing protrusion (304) and the peripheral end.

IPC 8 full level
B65D 41/32 (2006.01); **B65D 41/04** (2006.01); **B65D 41/34** (2006.01)

CPC (source: EP)
B65D 41/325 (2013.01); **B65D 41/3428** (2013.01); **B65D 41/0421** (2013.01)

Citation (search report)

- [X1] WO 2016026796 A1 20160225 - OBRIST CLOSURES SWITZERLAND [CH]
- [X1] US 2020172298 A1 20200604 - WADA KIYOSHI [JP], et al
- [X1] WO 9308093 A1 19930429 - DOEMMLING JUERGEN [DE]
- [X1] WO 2005039996 A1 20050506 - CROWN PACKAGING TECHNOLOGY INC [US], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4206086 A1 20230705; WO 2023126452 A1 20230706

DOCDB simple family (application)
EP 22216980 A 20221228; EP 2022087971 W 20221228