

Title (en)

HOLLOW PRODUCT WITH LOCALIZED RELIEF FOR VACUUM SEALING

Title (de)

HOHLES PRODUKT MIT LOKALEM ABLASS FÜR VAKUUMVERSIEGELUNG

Title (fr)

PRODUIT CREUX A CRAN POUR BOUCHAGE SOUS VIDE

Publication

EP 2203354 A1 20100707 (FR)

Application

EP 08842938 A 20081001

Priority

- FR 2008051771 W 20081001
- FR 0758085 A 20071005

Abstract (en)

[origin: WO2009053574A1] The invention relates to a hollow vacuum packaging product in which the ring comprises threads (1, 2, 3, 4, 5, 6, 7, 8) distributed around its periphery, between which the sealing cap enters into engagement when the hollow product is opened/closed, characterized in that in the evacuated closed condition of the hollow product, the sealing cap is able to enter into engagement only in an interval between two consecutive threads, or in several such consecutive intervals (10, 11, 12), but not in all of said intervals. Said hollow product may be a thermoplastic bottle or jar.

IPC 8 full level

B65D 1/02 (2006.01); **B65D 81/20** (2006.01)

CPC (source: BR EP US)

B65D 1/0246 (2013.01 - BR EP US); **B65D 1/0253** (2013.01 - EP US); **B65D 81/2015** (2013.01 - BR EP US)

Citation (search report)

See references of WO 2009053574A1

Citation (examination)

WO 2004002844 A1 20040108 - DAYTON SYSTEMS GROUP INC [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2921910 A1 20090410; FR 2921910 B1 20091218; BR PI0818642 A2 20150407; BR PI0818642 B1 20180911; CA 2701692 A1 20090430; CA 2701692 C 20150707; CN 101888952 A 20101117; CN 101888952 B 20120627; EP 2203354 A1 20100707; MX 2010003657 A 20100609; RU 2010117700 A 20111110; RU 2469930 C2 20121220; UA 98673 C2 20120611; US 2011024382 A1 20110203; US 8672159 B2 20140318; WO 2009053574 A1 20090430

DOCDB simple family (application)

FR 0758085 A 20071005; BR PI0818642 A 20081001; CA 2701692 A 20081001; CN 200880119189 A 20081001; EP 08842938 A 20081001; FR 2008051771 W 20081001; MX 2010003657 A 20081001; RU 2010117700 A 20081001; UA A201005200 A 20081001; US 68172908 A 20081001