

Title (en)
Secured sealing assembly

Title (de)
Gesicherte Verschlusseinheit

Title (fr)
Ensemble de bouchage sécurisé

Publication
EP 2399840 B1 20180314 (FR)

Application
EP 11170991 A 20110622

Priority
FR 1055079 A 20100625

Abstract (en)
[origin: EP2399840A1] The assembly (1) has a circular joint (9) whose initial diameter (D1) is identical to internal diameter (D2) of an external skirt (3). A base (12) of a hollow tuck-in part (11) of a closure (2) is concave such that the base is subjected to axial pressure to deform the base toward a plate shape under the effect of internal pressure of a product stored in a container (6) after definite screwing of the closure for increasing distance between an axis (XX') of the closure and a radial contact zone of a flange (16) of the joint and consequently increasing radial forces exerted on the joint. The joint is realized from plastic material resistant against aggressive product.

IPC 8 full level
B65D 41/04 (2006.01)

CPC (source: EP)
B65D 41/045 (2013.01)

Cited by
US2020399027A1; US11697528B2

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

DOCDB simple family (publication)
EP 2399840 A1 20111228; EP 2399840 B1 20180314; ES 2673018 T3 20180619; FR 2961792 A1 20111230; FR 2961792 B1 20131018

DOCDB simple family (application)
EP 11170991 A 20110622; ES 11170991 T 20110622; FR 1055079 A 20100625