

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

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**EP 11170991 A 20110622**; ES 11170991 T 20110622; FR 1055079 A 20100625