

Title (en)  
CLOSURE ASSEMBLY FOR CONTAINERS

Title (de)  
VERSCHLUSSANORDNUNG FÜR BEHÄLTER

Title (fr)  
ENSEMBLE DE FERMETURE POUR RÉCIPIENTS

Publication  
**EP 3659937 A1 20200603 (EN)**

Application  
**EP 19383033 A 20191122**

Priority  
ES 201831833 U 20181127

Abstract (en)  
Closure assembly comprising a neck (1), which in turn comprises a first threaded surface (3) and a coupling element (4), and a closure cap (2) linked to the neck (1). The cap has a base which surrounds the outside of the neck (1), with an internal face with a second threaded surface (6) able to be coupled to the first threaded surface (3) for a threaded coupling between the neck (1) and the cap (2) with the container. An upper lid, linked to the base, closes the cap. The second threaded surface (6) comprises a plurality of projections (8) aligned and separated from each other to retain the cap (2) on the neck (1) by means of a free rotation between both elements caused by the interaction of said projections (8) with the first threaded surface (3). The projections (8) have first ( $\alpha$ ) and second ( $\beta$ ) angles of inclination.

IPC 8 full level  
**B65D 47/08** (2006.01)

CPC (source: EP)  
**B65D 47/0895** (2013.01); **B65D 2255/20** (2013.01)

Citation (applicant)  
WO 2017178665 A1 20171019 - BETAPACK S A U [ES]

Citation (search report)  
• [A] WO 2015049066 A1 20150409 - OBRIST CLOSURES SWITZERLAND [CH]  
• [A] PL 206698 B1 20100930 - SIG TECHNOLOGY LTD [CH]  
• [A] ES 2217842 T3 20041101 - BERICAP

Cited by  
WO2022189351A1

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)  
**EP 3659937 A1 20200603**; **EP 3659937 B1 20230104**; ES 1225414 U 20190222; ES 1225414 Y 20190513; ES 2941745 T3 20230525; PT 3659937 T 20230411

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