

Title (en)
CLOSING DEVICE

Title (de)
VERSCHLIESSEINRICHTUNG

Title (fr)
SYSTÈME DE FERMETURE

Publication
EP 2906496 A1 20150819 (DE)

Application
EP 13777259 A 20131010

Priority
• DE 102012020026 A 20121012
• EP 2013071188 W 20131010

Abstract (en)
[origin: WO2014057049A1] The invention relates to a closing device, in particular for bottles, jars, pots or similar packaging containers for pharmaceutical or cosmetic products, having a rotationally driveable screw head which is intended for the screw-connection of a closure, e.g. of a screw cap, onto the container and, on a carrier (12), has a gripping part (13) which is intended for engaging a closure and can be actuated between a release position and a tensioning position. The gripping part (13) is enclosed by a sliding cage (14) for actuation by relative movement. Both the gripping part (13) and the sliding cage (14) are designed in the form of a monolithic component, and the two are interlinked in one another such that parts (15) of the sliding cage (14) extend through openings (16, 19) of the gripping part into the interior (17) of the latter and as far as a lifting means (18) in the carrier (12).

IPC 8 full level
B67B 3/20 (2006.01)

CPC (source: EP US)
B67B 3/2066 (2013.01 - EP US)

Citation (search report)
See references of WO 2014057049A1

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)
WO 2014057049 A1 20140417; DE 102012020026 A1 20140417; DE 102012020026 B4 20150319; EP 2906496 A1 20150819; EP 2906496 B1 20160803; ES 2589204 T3 20161111; US 2015217982 A1 20150806; US 9845230 B2 20171219

DOCDB simple family (application)
EP 2013071188 W 20131010; DE 102012020026 A 20121012; EP 13777259 A 20131010; ES 13777259 T 20131010; US 201514683683 A 20150410