

Title (en)
MECHANISM FOR ASSISTING OPENING AND CLOSING OF SCREW CAP

Title (de)
MECHANISMUS ZUR UNTERSTÜTZUNG DES ÖFFNENS UND SCHLIEßENS EINES SCHRAUBVERSCHLUSSES

Title (fr)
MÉCANISME D'AIDER À L'OUVERTURE ET À LA FERMETURE D'UNE CAPSULE À VIS

Publication
EP 2292523 A1 20110309 (EN)

Application
EP 09719780 A 20090316

Priority
• JP 2009001163 W 20090316
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Abstract (en)
A screw cap opening/ closure assistance mechanism (10) assists in opening and closure of a screw cap (20) in a screw cap mechanism. The screw cap opening/closure assistance mechanism includes a coupling part (13) provided on the screw cap (20) and an opening/ closure assistance part (14) connected to the coupling part (13). One end of the coupling part is adapted to be rotated in unison with the screw cap (20). This opening/ closure assistance part is positioned in proximity to an outer surface of the screw cap (20) when the screw cap opening/ closure assistance mechanism has not been used or when it is not in use. For opening/ closure, the screw cap opening/ closure assistance part is moved away from the screw cap (20) so as to form a large diameter moving part rotatable in unison with the screw cap (20). An arrangement is so made that the force of rotation needed for the opening/closure operation for the screw cap (20) may be smaller.

IPC 8 full level
B65D 41/04 (2006.01); **B67B 7/18** (2006.01)

CPC (source: EP KR US)
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