

Title (en)

Device for closing bottles and the like with screw plugs

Title (de)

Vorrichtung zum Verschliessen von Flaschen und dergleichen mit Schraubverschlüssen

Title (fr)

Dispositif pour la fermeture de bouteilles ou analogue avec des capuchons à vis

Publication

EP 0677482 B1 19980722 (EN)

Application

EP 95830142 A 19950411

Priority

IT BO940158 A 19940413

Abstract (en)

[origin: EP0677482A1] The device comprises a sleeve (3) that is rotated around a vertical axis, coincident with the axis of a bottle (200) to be closed, and that drives a tubular shaft (10) mounted slidably along the axis of the sleeve (3). An escapement coupling means (100) is situated inside a chamber (14), defined by the tubular shaft (10), and is aimed at transmitting a tightening torque from the shaft (10) to a gripping means (22) for holding a plug (2) to be screwed on the bottle (200). The escapement means (100) includes an upper cylindrical member (15) and a lower cylindrical member (16). The upper member is connected for rotation with the tubular shaft (10) and elastically urged by an axial force against the lower cylindrical member (16) that is axially bound to the gripping means (22). During transmission of the screwing torque, the cylindrical members (15,16) are in mutual engagement upon relative surfaces inclined with respect to the longitudinal axis and facing each other. Sensors (39,40) have the task of checking closing operation of the bottle (200). <IMAGE>

IPC 1-7

B67B 3/20; **B67B 3/26**

IPC 8 full level

B67B 3/20 (2006.01); **B67B 3/26** (2006.01)

CPC (source: EP)

B67B 3/2033 (2013.01); **B67B 3/2073** (2013.01); **B67B 3/26** (2013.01)

Cited by

FR2848545A1; CN108466998A; FR2838665A1; CN104058355A; CN114852936A; US2010205904A1; US8458992B2; EP0876991A1; US5983596A; US8225925B2; US8006468B2; US7956623B2; US10577186B2; US6840138B2; WO2004063081A1; WO03089360A1; EP1882949B1

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