

Title (en)

Device for filling drinks with CIP cap control

Title (de)

Vorrichtung zum Abfüllen von Getränken mit CIP-Kappen-Steuerung

Title (fr)

Dispositif de remplissage de boissons à l'aide d'une commande de chaperons CIP

Publication

EP 2275381 A3 20130102 (DE)

Application

EP 10166339 A 20100617

Priority

DE 102009033557 A 20090716

Abstract (en)

[origin: EP2275381A2] The device has a filling member for filling liquids into containers. A covering device covers the filling member and pivotable about a pre-set pivot axis (X) and displaceable about a pre-set displacement direction, and a drive device (10) generates a pivoting movement and a displacement movement of the covering device. The drive device is designed such that the pivoting movement and the displacement movement are partially and temporally staggered with respect to each other. A sleeve is displaceable along the pivot axis, and a guide groove is arranged in the sleeve. An independent claim is also included for a method for covering a filling element with a covering device.

IPC 8 full level

B67C 3/00 (2006.01)

CPC (source: EP US)

B67C 3/002 (2013.01 - US); **B67C 3/004** (2013.01 - EP US)

Citation (search report)

- [XAY] US 5562129 A 19961008 - GRAFFIN ANDRE [FR]
- [YDA] DE 202006006149 U1 20070606 - KRONES AG [DE]
- [A] WO 2009004500 A1 20090108 - SBC BOTTLING & CANNING S P A [IT], et al

Cited by

DE102019132749A1; EP2832681A1; CN103090015A; ITMI20121313A1; EP2690054A1; CN104512847A; EP3834954A1

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2275381 A2 20110119; EP 2275381 A3 20130102; EP 2275381 B1 20140924; CN 101955145 A 20110126; CN 101955145 B 20140430; DE 102009033557 A1 20110120; SI 2275381 T1 20150331; US 2011011489 A1 20110120; US 8757216 B2 20140624

DOCDB simple family (application)

EP 10166339 A 20100617; CN 201010234662 A 20100713; DE 102009033557 A 20090716; SI 201030836 T 20100617; US 83192710 A 20100707