

Title (en)

CONTAINER HANDLING DEVICE WITH MULTI-FUNCTIONAL CLEANING ROBOT

Title (de)

BEHÄLTERBEHANDLUNGSVORRICHTUNG MIT MULTIFUNKTIONALEM REINIGUNGSROBOTER

Title (fr)

DISPOSITIF DE TRAITEMENT DE RÉCIPIENTS AVEC ROBOT DE NETTOYAGE MULTIFONCTION

Publication

EP 2616383 B1 20150218 (DE)

Application

EP 11749352 A 20110826

Priority

- DE 102010045268 A 20100914
- EP 2011004295 W 20110826

Abstract (en)

[origin: WO2012034641A1] The invention relates to a container treatment device (1), especially filler, capper/seamer or rinser, for containers, such as bottles, cans, barrels, kegs etc., comprising a container feeding unit, a container removing unit, at least one feed line for at least one product, and a cleaning device (2, 6) having a flushing device (3) at least for cleaning the exterior surfaces by means of a cleaning fluid (4). In order to obtain a cleaning device (2, 6) which is preferably multi-functional, in addition to the flushing device (3) or instead of the same an additional tool (9, 10) can be connected to the cleaning device (2, 6). Said tool can be removed from a storage device (12) by the cleaning device (2, 6) and can be brought in a position of use (13) and returned to the storage device (12) after use by the cleaning device (2, 6).

IPC 8 full level

B67C 3/00 (2006.01)

CPC (source: EP US)

B08B 9/205 (2013.01 - US); **B67C 3/002** (2013.01 - EP US); **B67C 3/005** (2013.01 - EP US); **B67C 2003/221** (2013.01 - EP US)

Citation (examination)

EP 2218521 A2 20100818 - JUERGEN LOEHRKE GMBH [DE]

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

DOCDB simple family (publication)

DE 102010045268 A1 20120315; EP 2616383 A1 20130724; EP 2616383 B1 20150218; US 2013174880 A1 20130711; WO 2012034641 A1 20120322

DOCDB simple family (application)

DE 102010045268 A 20100914; EP 11749352 A 20110826; EP 2011004295 W 20110826; US 201113822445 A 20110826