

Title (en)

UNIT FOR CONTACT OR CONTACTLESS FILLING AN ARTICLE WITH POURABLE FOOD PRODUCT

Title (de)

EINHEIT ZUM KONTAKT- ODER KONTAKTLOSEN FÜLLEN EINES ARTIKELS MIT FLÜSSIGEM LEBENSMITTELPRODUKT

Title (fr)

UNITÉ DE REMPLISSAGE À CONTACT OU SANS CONTACT D'UN ARTICLE AVEC UN PRODUIT ALIMENTAIRE VERSABLE

Publication

EP 3070048 A1 20160921 (EN)

Application

EP 16166734 A 20140530

Priority

- EP 16166734 A 20140530
- EP 14170712 A 20140530

Abstract (en)

There is disclosed a unit for contact or contactless filling an article (2) with a pourable product, comprising: a filling device (10) movable along a path (P); a holding device (17) movable together with filling device (10) along path (P) and adapted to hold article (2) and to move it with respect to filling device along a direction (B) between a first rest position and a second operative position; and a cam (49); holding device (17) comprises: a gripping member (18) for gripping article (2); a cam follower (48) interacting with cam (49) along a first portion (P1) of path (P) and connected to gripping member (18); and an actuator (51) controllable to exert on gripping member (18) an action directed along direction (B) and in a first sense; actuator (51) is selectively arrangeable in a first configuration, in which it exerts action and with a first value along first portion (P1) of path (P), so as to thrust cam follower (48) against cam (49) and to keep article (2) in first rest position; actuator (51) can selectively be set in a second configuration, in which it exerts action with a second value, greater than first value, along one first region (ϵ^2 , ϵ^3 , μ , η) of a second portion (P2) of path (P), so as to move article (2) towards second operative position.

IPC 8 full level

B67C 3/24 (2006.01); **B67C 3/22** (2006.01)

CPC (source: EP)

B67C 3/242 (2013.01); **B67C 2003/228** (2013.01)

Citation (applicant)

US 2011023996 A1 20110203 - LAUMER ROLAND [DE], et al

Citation (search report)

- [Y] EP 1452480 A1 20040901 - KHS MASCH & ANLAGENBAU AG [DE]
- [Y] US 2010037984 A1 20100218 - HIROYA KIYOSHI [JP], et al
- [A] DE 9417044 U1 19941215 - KHS MASCH & ANLAGENBAU AG [DE]
- [AD] US 2011023996 A1 20110203 - LAUMER ROLAND [DE], et al

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)

EP 2949617 A1 20151202; **EP 2949617 A8 20160330**; **EP 2949617 B1 20160831**; EP 3070048 A1 20160921

DOCDB simple family (application)

EP 14170712 A 20140530; EP 16166734 A 20140530