

Title (en)

FILLING DEVICE AND METHOD FOR AN AUTOMATIC HORIZONTAL FLEXIBLE CONTAINER FORMING AND FILLING MACHINE

Title (de)

FÜLLVORRICHTUNG FÜR EINE AUTOMATISCHE HORIZONTALE FORM- UND FÜLLMASCHINE FÜR FLEXIBLE BEHÄLTER UND VERFAHREN ZUR BEFÜLLUNG

Title (fr)

DISPOSITIF DE REMPLISSAGE POUR UNE MACHINE AUTOMATIQUE ET HORIZONTALE POUR FORMER ET REMPLIR DES RÉCIPIENTS FLEXIBLES ET MÉTHODE DE REMPLISSAGE

Publication

EP 2942289 A1 20151111 (EN)

Application

EP 15380014 A 20150424

Priority

ES 201430651 A 20140505

Abstract (en)

The filling device comprises a filling valve (1), a supply conduit (2) connected to an inlet of the filling valve (1) for supplying a product, a filling nozzle (3) connected to an outlet of the filling valve (1) for guiding the product towards an opening (E1) of a flexible container (E), and a control device (10) configured for opening and closing the filling valve (1) according to a conveyor device that positions successive flexible containers (E) in relation to the filling nozzle (3). An auxiliary valve (4) is interposed in the supply conduit (2) upstream of the filling valve (1). The control device (10) closes the auxiliary valve (4) before closure of the filling valve (1) has been completed at the end of each filling cycle.

IPC 8 full level

B65B 3/26 (2006.01); **B65B 3/36** (2006.01); **B65B 37/00** (2006.01); **B65B 39/00** (2006.01); **B65B 55/24** (2006.01); **B65B 57/00** (2006.01); **B65B 57/14** (2006.01); **B67C 3/26** (2006.01)

CPC (source: EP ES)

B65B 3/36 (2013.01 - EP); **B65B 37/00** (2013.01 - EP); **B65B 39/001** (2013.01 - EP); **B65B 55/24** (2013.01 - EP); **B65B 57/145** (2013.01 - EP); **B67C 3/2608** (2013.01 - ES); **B67C 3/28** (2013.01 - EP ES)

Citation (applicant)

JP 2010222023 A 20101007 - SANKO KIKAI

Citation (search report)

[XI] GB 2214612 A 19890906 - OCME SPA [IT]

Cited by

EP3498659A1; CN109956068A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2942289 A1 20151111; ES 2550370 A1 20151106; ES 2550370 B1 20160908

DOCDB simple family (application)

EP 15380014 A 20150424; ES 201430651 A 20140505