

Title (en)

Packaging unit for producing sealed packages of a food product pourable into a tube of packaging material

Title (de)

Verpackungseinheit zur Herstellung versiegelter Verpackungen eines Lebensmittels, das in eine Hülse aus Verpackungsmaterial gegossen werden kann

Title (fr)

Unité de conditionnement pour produire des paquets étanches de produits alimentaires pouvant être versés dans un tuyau de matériau d'emballage

Publication

EP 2189375 B1 20111109 (EN)

Application

EP 08169824 A 20081124

Priority

EP 08169824 A 20081124

Abstract (en)

[origin: EP2189375A1] A packaging unit (1) for producing sealed packages of a food product pourable into a tube (10), comprising a duct (20) for pouring food product into tube (10), a flange (25) housed within tube (10) and having holes (22) through which food product flows, and connecting means (35) for constraining duct (20) to flange (25) and comprising two coupling elements (40a, 40b) fixed to and detachable from duct (20) and flange (25) in a first and in a second configuration, and locking element (50) movable with respect to coupling elements (40a, 40b) in the first configuration along a path (P) between a first position (P 1) in which coupling elements (40a, 40b) are kept in first configuration, and a second position (P 2) in which coupling elements (40a, 40b) can reach the second configuration; unit (1) has constraining means (49, 59) interposed between coupling elements (40a, 40b) and locking element (50) at a third position (P 3); locking element (50) is movable with respect to coupling elements (40a, 40b) crosswise to path (P) at third position (P 3) between a fourth position in which first constraining means (49; 59) prevent locking element (50) from moving along path (P), and a fifth position (Q 2) in which locking element (50) can move along path (P).

IPC 8 full level

B65B 9/20 (2012.01); **B65B 39/00** (2006.01)

CPC (source: EP)

B65B 9/2035 (2013.01); **B65B 9/22** (2013.01); **B65B 37/20** (2013.01); **B65B 39/007** (2013.01); **B65B 59/04** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2189375 A1 20100526; **EP 2189375 B1 20111109**; AT E532710 T1 20111115; CN 101734383 A 20100616; CN 101734383 B 20140305; ES 2377235 T3 20120323; JP 2010120699 A 20100603; JP 5525176 B2 20140618

DOCDB simple family (application)

EP 08169824 A 20081124; AT 08169824 T 20081124; CN 200910127468 A 20090306; ES 08169824 T 20081124; JP 2009099894 A 20090416