

Title (en)

TUBE HOLDER FOR A TUBE FILLING MACHINE

Title (de)

TUBENHALTER FÜR EINE TUBENFÜLLMASCHINE

Title (fr)

SUPPORT DE TUBE POUR UNE MACHINE À REMPLIR LES TUBES

Publication

EP 1960272 A1 20080827 (DE)

Application

EP 07819221 A 20071023

Priority

- EP 2007009158 W 20071023
- DE 102006055854 A 20061127

Abstract (en)

[origin: WO2008064748A1] The invention relates to a tube holder for a tube filling machine having a cup-shaped housing which comprises a tube receptacle opening upwards, in which a tube can be inserted with one end area thereof. At least one vertical groove is constructed in the area of the inner wall of the tube receptacle, into which groove a tensioning element is inserted. The tensioning element can be radially displaced substantially perpendicular to the longitudinal axis of the tube receptacle and is pivotably mounted about a swivel axis which extends substantially tangential to the inner wall of the tube receptacle. By means of the tensioning element, a tensioning force which is applied radially from outside onto the inserted tube can be applied using the action of at least one spring element. The tensioning element comprises an upper 1. section, which is arranged above the swivel axis on the side of the swivel axis facing towards the opening of the tube receptacle, and a lower 2. section, which is arranged below the swivel axis on the side of the swivel axis facing away from the opening of the tube receptacle. The swivel axis is constructed on a swivel bearing which allows a radial displacement of the swivel bearing. At least one first spring element on the upper 1. section of the tensioning element and at least one second spring element on the lower 2. section of the tensioning element engages with said swivel bearing.

IPC 8 full level

B65B 43/54 (2006.01)

CPC (source: EP US)

B65B 3/16 (2013.01 - EP US); **B65B 43/54** (2013.01 - EP US); **Y10S 279/906** (2013.01 - EP US); **Y10T 279/17153** (2015.01 - EP US); **Y10T 279/17231** (2015.01 - EP US); **Y10T 279/17461** (2015.01 - EP US)

Citation (search report)

See references of WO 2008064748A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

DE 102006055854 A1 20080529; BR PI0714284 A2 20130424; CA 2633737 A1 20080605; DE 502007005944 D1 20110127; EP 1960272 A1 20080827; EP 1960272 B1 20101215; US 2009084463 A1 20090402; US 8210546 B2 20120703; WO 2008064748 A1 20080605

DOCDB simple family (application)

DE 102006055854 A 20061127; BR PI0714284 A 20071023; CA 2633737 A 20071023; DE 502007005944 T 20071023; EP 07819221 A 20071023; EP 2007009158 W 20071023; US 8630307 A 20071023