

Title (en)

METHOD AND MACHINE FOR PRODUCING A MUSELET FOR BOTTLES OF EFFERVESCENT DRINKS

Title (de)

VERFAHREN UND MASCHINE ZUR HERSTELLUNG EINES DRAHTKORBES FÜR FLASCHEN FÜR SPRUDELGETRÄNKE

Title (fr)

PROCÉDÉ ET MACHINE DE FABRICATION D'UN MUSELET POUR BOUTEILLES DE BOISSON EFFERVESCENTE

Publication

EP 2846945 B1 20170830 (FR)

Application

EP 13720452 A 20130405

Priority

- FR 1254289 A 20120510
- FR 2013050749 W 20130405

Abstract (en)

[origin: WO2013167819A1] The invention relates to a method for producing a Y-shaped muselet for bottles of effervescent drinks, said muselet comprising a cage co-operating with a rim, the cage being formed by a first (1) and a second (2) wire and the muselet by a third wire. According to said method, the formation of the cage includes: twisting one end of the first wire (1) over an area located approximately in the centre of the second wire (2), the wires forming part of the same first plane and being oriented in such a way as to form an essentially right angle between the non-twisted end of the first wire and one of the free ends of the second wire, and to form an angle of about 135° between the free ends of the second wire; forming a first loop (5) on each free end of the first and second wires, in said first plane; forming a second loop (6) in a plane that is essentially perpendicular to the first plane, by folding; and folding the three wires at a certain distance from the twisting, in a plane essentially perpendicular to said first plane. Furthermore, a closed rim (3) is inserted such that it passes through the three loops by translation according to a direction essentially perpendicular to the first plane of the cage, and the three loops are closed by pressing in a direction parallel to said first plane. The invention also relates to a machine for implementing said method.

IPC 8 full level

B21F 45/04 (2006.01)

CPC (source: EP US)

B21F 45/04 (2013.01 - EP US); **B21F 7/00** (2013.01 - US); **B21F 15/04** (2013.01 - US); **B65D 55/063** (2013.01 - US)

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)

WO 2013167819 A1 20131114; EP 2846945 A1 20150318; EP 2846945 B1 20170830; ES 2648966 T3 20180109; FR 2990365 A1 20131115; FR 2990365 B1 20180112; HR P20171682 T1 20180126; HU E037148 T2 20180828; LT 2846945 T 20180125; PT 2846945 T 20171128; SI 2846945 T1 20180330; US 2015090362 A1 20150402; US 9511412 B2 20161206

DOCDB simple family (application)

FR 2013050749 W 20130405; EP 13720452 A 20130405; ES 13720452 T 20130405; FR 1254289 A 20120510; HR P20171682 T 20171103; HU E13720452 A 20130405; LT 13720452 T 20130405; PT 13720452 T 20130405; SI 201330843 T 20130405; US 201314396550 A 20130405