

Title (en)

Unit for the production of safety cages for corks of bottles for effervescent beverages

Title (de)

Einheit für die Herstellung von Sicherheitskäfigen für Flaschenkorken von schäumenden Getränken

Title (fr)

Unité pour la production de cages de sécurité pour les bouchons de bouteilles de boissons effervescentes

Publication

**EP 2025428 B1 20100818 (EN)**

Application

**EP 08013137 A 20080722**

Priority

IT TO20070550 A 20070724

Abstract (en)

[origin: EP2025428A1] A unit (100) for the production of safety cages for corks of bottles for effervescent beverages provided with: an annular groove (21) designed to bend a metal wire (101) about an axis (A) of bending to form a substantially circular closed loop; and four forming assemblies (50) set about the axis (A) of bending and provided with respective gripping heads (51) for constraining the loop itself in respective gripping points (P); each gripping head (51) being able to turn about a respective axis (B) of rotation transverse with respect to the axis (A) of bending to twist the metal wire (101), and being provided with a portion that is axially fixed with respect to the corresponding axis (B) of rotation and with a portion that can slide axially with respect to the axis (B) of rotation itself between a position of superposition, in which it forms a seat (52) that can be engaged by said wire (101) in a corresponding gripping point (P), and a position of release, in which it releases the gripping point (P) once the wire (101) is twisted.

IPC 8 full level

**B21F 45/04** (2006.01)

CPC (source: EP)

**B21F 45/04** (2013.01)

Cited by

WO2016083953A1; ITRM20090301A1; IT201800010162A1; EA032241B1; CN104525787A; IT201800010159A1; WO2010143220A1; WO2016181295A1

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 2025428 A1 20090218; EP 2025428 B1 20100818**; AT E477868 T1 20100915; DE 602008002187 D1 20100930; IT TO20070550 A1 20090125

DOCDB simple family (application)

**EP 08013137 A 20080722**; AT 08013137 T 20080722; DE 602008002187 T 20080722; IT TO20070550 A 20070724