

Title (en)

METHOD OF MANUFACTURING CLOSURE FASTENERS FOR CHAMPAGNE BOTTLES AND THE LIKE, AND CLOSURE FASTENERS PRODUCED BY THIS METHOD

Publication

EP 0044798 B1 19840125 (FR)

Application

EP 81420109 A 19810717

Priority

FR 8016404 A 19800723

Abstract (en)

[origin: ES268537U] A method for the manufacture of stopper wirings which consists: in shaping wires to a profile including in a first plane a central portion in the form of an arc of circle and two straight branches, in disposing the shaped wires to form a complete ring, the straight branches extending outwardly from the ring, in twisting each branch along a first portion of its length starting from the ring, in twisting locally the remaining portion of each branch in a zone intermediate between the twisted portion and the outer end, and in rolling the end of the remaining portion of each branch in the shape of a loop to form one leg of the wiring.

IPC 1-7

B21F 45/04; B21F 15/04; B21F 21/00

IPC 8 full level

B21F 15/04 (2006.01); **B21F 21/00** (2006.01); **B21F 45/04** (2006.01); **B21F 99/00** (2009.01)

CPC (source: EP US)

B21F 45/04 (2013.01 - EP US)

Cited by

DE3817229C1; DE3817230C1; EP0894554A1; EP0895821A1; DE4412203A1; DE4412203C2; WO8911361A1; WO8911360A1; WO8911359A1; EP3205598A1; WO2017137823A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0044798 A2 19820127; EP 0044798 A3 19820428; EP 0044798 B1 19840125; AT E5953 T1 19840215; DE 3162033 D1 19840301; ES 268537 U 19830601; ES 268537 Y 19831201; FR 2487231 A1 19820129; FR 2487231 B3 19830429; US 4440199 A 19840403

DOCDB simple family (application)

EP 81420109 A 19810717; AT 81420109 T 19810717; DE 3162033 T 19810717; ES 268537 U 19810722; FR 8016404 A 19800723; US 28566081 A 19810721