

Title (en)

Improved pliers for opening phlebotomy bottles.

Title (de)

Zange zum Öffnen von "Phlebotomy"-Flaschen.

Title (fr)

Pince pour ouvrir des bouteilles phlebotomy.

Publication

**EP 0419422 A1 19910327 (EN)**

Application

**EP 90830327 A 19900713**

Priority

IT 2179589 U 19890921

Abstract (en)

There is disclosed an improved pliers arrangement for opening phlebotomy bottles, comprising a circular gripping element formed by two arms provided with inner toothed portions adapted to penetrate, through the detent metal sleeve of the bottle, between the bottle glass material and the rubber bottle plug, as the arms are fully tightened about the bottle neck.

IPC 1-7

**B25B 7/00**; **B67B 7/00**

IPC 8 full level

**B25B 7/02** (2006.01); **B67B 7/02** (2006.01); **B67B 7/46** (2006.01)

CPC (source: EP)

**B25B 7/02** (2013.01); **B67B 7/02** (2013.01); **B67B 7/30** (2013.01)

Citation (search report)

- [A] US 3817126 A 19740618 - KOEBBEMAN R
- [A] GB 2049532 A 19801231 - BAHCO VERKTYG AB

Cited by

US2017043990A1; DE19503333C1; FR2723872A1; CN109955181A; US10138104B2

Designated contracting state (EPC)

BE CH DE ES FR GB LI NL SE

DOCDB simple family (publication)

**EP 0419422 A1 19910327**; IT 216882 Z2 19911007; IT 8921795 V0 19890921

DOCDB simple family (application)

**EP 90830327 A 19900713**; IT 2179589 U 19890921