

Title (en)

Perforable stopper for evacuated test tubes.

Title (de)

Durchstechbarer Verschluss für evakuierte Proberöhrchen.

Title (fr)

Bouchon perforable pour tube à essai sous vide.

Publication

EP 0494845 A1 19920715 (EN)

Application

EP 92830002 A 19920103

Priority

IT FI910006 A 19910110

Abstract (en)

In a test tube (P10) for taking blood samples by vacuum suction through a double-needle device having an external needle for insertion into the vein while the other needle is internal, coaxial with and opposed to the first and fitted with a protective sheath forming a slidable elastic cap, and able to perforate a diaphragm of the stopper (T10), said stopper has an external extension (T22), with axial cavity (T24), which projects from inside the test tube (P10) to end in the perforable diaphragm (T26) at the extremity of the extension (T22); said extension (T22) can be inserted into the recess of the internal needle of said sampling device, without the need for bayonet-type connection and disconnection. <IMAGE>

IPC 1-7

A61B 5/14

IPC 8 full level

A61J 1/00 (2006.01); **A61J 1/14** (2006.01)

CPC (source: EP)

A61J 1/1406 (2013.01)

Citation (search report)

- [X] DE 1818046 B1 19800313 - IMS LTD
- [Y] US 4295572 A 19811020 - PERCARPIO EDWARD P
- [A] CA 1107245 A 19810818 - ZELLERMAN GABOR

Cited by

WO2011144985A1; ITUD20100096A1; US11697114B2; US12025629B2; US12050052B1; US12059676B1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0494845 A1 19920715; EP 0494845 B1 19960410; AT E136446 T1 19960415; CA 2059073 A1 19920711; DE 69209667 D1 19960515; DE 69209667 T2 19960912; IT 1246994 B 19941212; IT FI910006 A0 19910110; IT FI910006 A1 19920710

DOCDB simple family (application)

EP 92830002 A 19920103; AT 92830002 T 19920103; CA 2059073 A 19920109; DE 69209667 T 19920103; IT FI910006 A 19910110