

Title (en)

Method and apparatus for the extraction and handling of biological liquids from thin walled receptacles

Title (de)

Vorrichtung und Verfahren zur Extraktion bzw. Handhabung von biologischen Flüssigkeiten in dünnwandigen Behältern

Title (fr)

Méthode et dispositif pour l'extraction et la manipulation de liquides biologiques contenus dans des récipients à parois minces

Publication

EP 0894532 B1 20040922 (EN)

Application

EP 98500181 A 19980730

Priority

ES 9701710 A 19970801

Abstract (en)

[origin: EP0894532A2] The invention provides apparatus which comprises a minimum of two sections which can be interengaged with one another, one section being capable of being moved relative to the other, and having means for radially and axially holding the thin-walled tubular receptacle containing a biological liquid sample and being provided with means to ensure that on engagement of the two sections with one another the thin-walled receptacle is ruptured at the required points, the said sections comprising components of the device which are joint structures for the purpose of squeezing the thin-walled receptacle after the receptacle has been ruptured, the section directly receiving the thin-walled receptacle being transparent, so as to make it possible to read identifying marks on the said sample-holding receptacle from without. <IMAGE>

IPC 1-7

B01L 3/00

IPC 8 full level

G01N 33/48 (2006.01); **A61B 5/15** (2006.01); **B01L 3/00** (2006.01); **B01L 99/00** (2010.01); **B67B 7/54** (2006.01); **G01N 1/00** (2006.01); **G01N 1/10** (2006.01); **G01N 35/02** (2006.01)

CPC (source: EP)

B01L 3/0296 (2013.01); **B01L 3/502** (2013.01)

Cited by

US10379010B2; WO2016011492A1; WO2005094995A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL PT

DOCDB simple family (publication)

EP 0894532 A2 19990203; **EP 0894532 A3 20000726**; **EP 0894532 B1 20040922**; AR 015411 A1 20010502; AT E276828 T1 20041015; BR 9802827 A 19991103; BR 9802827 B1 20101103; CZ 229898 A3 19990217; CZ 290694 B6 20020911; DE 69826385 D1 20041028; DE 69826385 T2 20050929; ES 2140311 A1 20000216; ES 2140311 B1 20001016; ES 2227791 T3 20050401; JP 2927784 B2 19990728; JP H11105985 A 19990420; SK 101098 A3 19990211; SK 282943 B6 20030109

DOCDB simple family (application)

EP 98500181 A 19980730; AR P980103677 A 19980727; AT 98500181 T 19980730; BR 9802827 A 19980731; CZ 229898 A 19980722; DE 69826385 T 19980730; ES 9701710 A 19970801; ES 98500181 T 19980730; JP 21685398 A 19980731; SK 101098 A 19980724