Title (en)

DEVICE AND METHOD FOR TREATING A SAMPLE BY OVERPRESSURED LAYER CHROMATOGRAPHY A STATIONARY PHASE, UNDER CONTROLLED FORCED FLOW

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BEHANDLUNG EINER PROBE DURCH ÜBERDRUCK-SCHICHT-CHROMATOGRAPHIE IN EINER STATIONÄREN PHASE, UNTER KONTROLLIERTEM ERZWUNGENEN DURCHFLUSS

Title (fr)

DISPOSITIF ET PROCEDE DE TRAITEMENT D'UN ECHANTILLON PAR SEPARATION SUR UNE PHASE STATIONNAIRE, SOUS FLUX FORCE CONTR LE

Publication

EP 1244908 A1 20021002 (FR)

Application

EP 01903867 A 20010103

Priority

- FR 0100022 W 20010103
- FR 0000063 A 20000104

Abstract (en)

[origin: FR2803220A1] The invention concerns a device for overpressured layer chromatography treatment of a sample comprising a chamber (1) housing a stationary phase (2) provided in a first site (6) with a sample to be treated, means for externally pressurising (8) a top surface (5) of the stationary phase, means for dispensing (10) a mobile phase in a second site (7) of the stationary phase, a mobile phase supply intake (13), and an outlet (18) for discharging the mobile phase outside the chamber. The device further comprises means (23) for feeding the intake (13) with mobile phase, a sensor (29) for measuring the pressure of the mobile phase upstream of the intake, a valve (31) arranged downstream of the outlet for varying the mobile phase flow rate at the chamber outlet, and a module (25) for controlling the valve on the basis of a comparison between the measured pressure and a selected threshold pressure, the valve (31) being open when the measured pressure is not less than the threshold pressure.

IPC 1-7

G01N 30/90

IPC 8 full level

G01N 27/447 (2006.01); **G01N 30/90** (2006.01); **G01N 30/94** (2006.01)

CPC (source: EP US)

G01N 30/90 (2013.01 - EP US); G01N 2030/906 (2013.01 - EP US); Y10T 436/25 (2015.01 - EP US)

Citation (search report)

See references of WO 0150123A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

FR 2803220 A1 20010706; **FR 2803220 B1 20020705**; AU 3183601 A 20010716; AU 770513 B2 20040226; CA 2396189 A1 20010712; CN 1262837 C 20060705; CN 1398349 A 20030219; EP 1244908 A1 20021002; JP 2003529749 A 20031007; US 2003019816 A1 20030130; WO 0150123 A1 20010712

DOCDB simple family (application)

FR 0000063 A 20000104; AU 3183601 A 20010103; CA 2396189 A 20010103; CN 01804616 A 20010103; EP 01903867 A 20010103; FR 0100022 W 20010103; JP 2001550022 A 20010103; US 18804402 A 20020703