

Title (en)

CHROMATOGRAPHY AND OTHER ADSORPTIONS USING MODIFIED CARBON ADSORBENTS

Title (de)

CHROMATOGRAPHIE UND ANDERE ADSORPTIONSVORFAHREN UNTER VERWENDUNG VON MODIFIZIERTEN KOHLENSTOFFSORBENTEN

Title (fr)

CHROMATOGRAPHIE ET AUTRES PROCÉDES D'ADSORPTION DANS LESQUELS ON UTILISE DES ADSORBANTS AU CARBONE MODIFIES

Publication

EP 1314026 A2 20030528 (EN)

Application

EP 01968422 A 20010831

Priority

- US 0127347 W 20010831
- US 65418200 A 20000901

Abstract (en)

[origin: WO0218929A2] Separation devices and systems are described which have a stationary phase and a mobile phase, wherein the stationary phase contains carbonaceous material having attached at least one organic group. The stationary phase which is used in the present invention has the ability to dial in the selectivity by attaching the proper organic groups onto the carbonaceous material in order to achieve the desired separation. Various separation processes are described such as chromatography, electrophoresis, magnetic separations, membrane separations, and the like. The processes to accomplish these types of separations are also described.

IPC 1-7

G01N 30/48

IPC 8 full level

B01J 20/281 (2006.01); **B01D 15/08** (2006.01); **B01D 57/02** (2006.01); **B01D 67/00** (2006.01); **B01D 69/14** (2006.01); **B01D 71/02** (2006.01); **B01D 71/82** (2006.01); **B01J 3/00** (2006.01); **B01J 20/20** (2006.01); **B01J 20/291** (2006.01); **B01J 20/32** (2006.01); **B03C 5/00** (2006.01); **G01N 27/447** (2006.01); **G01N 30/26** (2006.01); **G01N 30/88** (2006.01)

CPC (source: EP US)

B01D 15/08 (2013.01 - EP); **B01D 57/02** (2013.01 - EP); **B01D 67/0093** (2013.01 - EP US); **B01D 69/1411** (2022.08 - EP US); **B01D 71/021** (2013.01 - EP US); **B01D 71/82** (2013.01 - EP); **B01J 20/20** (2013.01 - EP); **B01J 20/286** (2013.01 - EP); **B01J 20/3246** (2013.01 - EP); **B01J 20/3248** (2013.01 - EP); **B01J 20/3251** (2013.01 - EP); **B01J 20/3253** (2013.01 - EP); **B01J 20/3285** (2013.01 - EP); **G01N 27/44747** (2013.01 - EP); **B01J 2220/54** (2013.01 - EP)

Cited by

CN103958053A; CN108939880A

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)

WO 0218929 A2 20020307; **WO 0218929 A3 20021031**; AU 8867201 A 20020313; CA 2421517 A1 20020307; EP 1314026 A2 20030528; JP 2004522142 A 20040722

DOCDB simple family (application)

US 0127347 W 20010831; AU 8867201 A 20010831; CA 2421517 A 20010831; EP 01968422 A 20010831; JP 2002523599 A 20010831