

Title (en)

ACTIVATED CARBON HONEYCOMBS HAVING VARYING ADSORPTION CAPACITIES AND METHOD OF MAKING SAME

Title (de)

WABENSTRUKTUREN AUS AKTIVKOHLE MIT VARIIERENDER ADSORPTIONSKAPAZITÄT UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

CORPS ALVEOLAIRES EN CHARBON ACTIF PRESENTANT DES CAPACITES D'ADSORPTION VARIABLES ET PROCEDE POUR LEUR FABRICATION

Publication

EP 0755328 A1 19970129 (EN)

Application

EP 95923816 A 19950411

Priority

- CA 2188222 A 19961018
- US 9507438 W 19950411
- US 22826594 A 19940415

Abstract (en)

[origin: WO9528279A1] An activated carbon body (54) having flow-through channels (52) and method of making the body. The method involves combining and shaping channel-forming material and optionally fugitive pore-forming material and non-fugitive support material, and a crosslinkable resin into a green body and curing the resin. The temperature at which the channel-forming material begins to distort is greater than the curing temperature of the resin. The resin is carbonized and at the same time the channel-forming material is vaporized out to form a carbon body (54) having flow-through channels (52) in the configuration of the fugitive material. The carbon body (54) is then activated. Among other shapes the channels (52) can be straight, curved or crisscrossed.

IPC 1-7

B32B 9/00; **B05D 3/02**

IPC 8 full level

C01B 31/08 (2006.01); **B01J 20/20** (2006.01); **C04B 35/524** (2006.01); **C04B 35/83** (2006.01)

CPC (source: EP)

B01J 20/20 (2013.01); **C04B 35/524** (2013.01); **C04B 35/83** (2013.01)

Designated contracting state (EPC)

BE DE ES FR GB NL PT SE

DOCDB simple family (publication)

WO 9528279 A1 19951026; AU 2824895 A 19951110; BR 9507382 A 19970923; CA 2188222 A1 19980418; EP 0755328 A1 19970129; EP 0755328 A4 19971112; JP H09511982 A 19971202

DOCDB simple family (application)

US 9507438 W 19950411; AU 2824895 A 19950411; BR 9507382 A 19950411; CA 2188222 A 19961018; EP 95923816 A 19950411; JP 52719595 A 19950411