

Title (en)

ABSORBENT MOULDED BODIES METHOD FOR PRODUCTION AND USE

Title (de)

SORBIERENDER FORMKÖRPER, VERFAHREN ZUR HERSTELLUNG UND VERWENDUNG

Title (fr)

CORPS MOULE ADSORBANT, PROCEDE DE FABRICATION DE CELUI-CI ET UTILISATION

Publication

EP 1866078 A2 20071219 (DE)

Application

EP 06725081 A 20060315

Priority

- EP 2006060763 W 20060315
- DE 102005000022 A 20050316

Abstract (en)

[origin: WO2006097493A2] The invention relates to an absorbent moulded body, a method for production and use thereof, comprising micro- or meso-porous adsorbents. Said moulded bodies serve as process heat and refrigeration sources, whereby a vapour working medium is expelled from the moulded body by the introduction of heat energy and optionally condensed and the working medium, optionally previously vaporised, is absorbed in gaseous form. The moulded body comprises crystalline powder and/or granules together with a conducting surface (3) within a cage (2), connected to the surface and the powder and/or granules are bonded by the binder in the form of a random bed.

IPC 8 full level

B01J 20/28 (2006.01); **C09K 5/04** (2006.01); **F25B 17/08** (2006.01)

CPC (source: EP US)

B01J 20/0292 (2013.01 - EP US); **B01J 20/10** (2013.01 - EP US); **B01J 20/18** (2013.01 - EP); **B01J 20/28023** (2013.01 - EP US); **B01J 20/2803** (2013.01 - EP US); **B01J 20/28033** (2013.01 - EP US); **B01J 20/28042** (2013.01 - EP US); **B01J 20/28078** (2013.01 - EP US); **B01J 20/28095** (2013.01 - EP US); **C09K 5/047** (2013.01 - EP US); **F25B 17/08** (2013.01 - EP US); **Y10T 428/249955** (2015.04 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006097493 A2 20060921; **WO 2006097493 A3 20070510**; DE 102005000022 A1 20060928; EP 1866078 A2 20071219; US 2008274345 A1 20081106; US 8012246 B2 20110906

DOCDB simple family (application)

EP 2006060763 W 20060315; DE 102005000022 A 20050316; EP 06725081 A 20060315; US 88621206 A 20060315