

Title (en)

SORBER HEAT EXCHANGER WALL AND SORBER HEAT EXCHANGER

Title (de)

SORPTIONSWÄRMEÜBERTRAGERWAND UND SORPTIONSWÄRMEÜBERTRAGER

Title (fr)

PAROI DE TRANSFERT DE CHALEUR A SORPTION ET ELEMENT DE TRANSFERT DE CHALEUR A SORPTION

Publication

EP 1966548 A2 20080910 (DE)

Application

EP 06829464 A 20061208

Priority

- EP 2006011872 W 20061208
- DE 102005060623 A 20051219
- DE 102006020794 A 20060503

Abstract (en)

[origin: WO2007073849A2] The invention relates to a sorber heat exchanger wall comprising a fluid side (2) which is delimited by a fluid wall (4) and is impinged upon by a fluid releasing or absorbing heat, and a sorption side (5) that is provided with a sorption bed (6) with a sorbent (7) which accumulates a sorbate so as to absorb or release heat. In order to create a mechanically stable sorption wall that has good heat conducting and material conveying properties, the sorption bed (6) encompasses a highly heat conducting support structure (10,21) for the sorbent (7), which is connected to the fluid wall (4) in a heat conducting manner, and a hierarchical hollow space system.

IPC 8 full level

F25B 35/04 (2006.01)

CPC (source: EP US)

F25B 35/04 (2013.01 - EP US); **F28D 20/003** (2013.01 - EP US); **Y02A 30/27** (2017.12 - EP US); **Y02B 30/62** (2013.01 - EP US); **Y02E 60/14** (2013.01 - EP US)

Citation (search report)

See references of WO 2007073849A2

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 2007073849 A2 20070705; WO 2007073849 A3 20071122; EP 1966548 A2 20080910; EP 2211126 A1 20100728; JP 2009520173 A 20090521; US 2008257530 A1 20081023; US 7981199 B2 20110719

DOCDB simple family (application)

EP 2006011872 W 20061208; EP 06829464 A 20061208; EP 10159027 A 20061208; JP 2008544837 A 20061208; US 9792406 A 20061208