Title (en)

Sorption cooling element with regulating organ and additional heat source

Title (de)

Sorptions-Kühlelement mit Regelorgan und zusätzlicher Wärmequelle

Title (fr)

Elément de refroidissement et de sorption doté d'un organe de réglage et d'une source de chaleur supplémentaire

Publication

EP 1967799 A3 20110518 (DE)

Application

EP 08001474 A 20080126

Priority

- DE 102007057748 A 20071130
- DE 102007010981 A 20070305

Abstract (en)

[origin: EP1967799A2] Cooling element is hermetically surrounded by a gas-tight multiple layer film to enclose a regulating unit (3), a steam passage (4) and a vaporizer (2). The vaporizer and the steam passage are flexible and the steam is only able to pass via the regulating unit to an absorbent (1). An independent claim is also included for a method for evacuating a cooling element. Preferred Features: The regulating unit contains a valve (6) which is operated by deforming the multiple layer film and a thermostatic valve. The thermostatic valve contains a regulating body made from a bimetal and is in thermal contact with the steam.

IPC 8 full level

F25B 17/08 (2006.01)

CPC (source: EP US)

F25B 17/08 (2013.01 - EP US); **F25D 5/02** (2013.01 - EP US); F25D 2331/804 (2013.01 - EP US)

Citation (search report)

- [XI] EP 1150077 A1 20011031 - ZEO TECH BR ZEO TECH GMBH [DE]
- [E] EP 2006616 A2 20081224 - ZEOLITH TECH [DE]
- [A] DE 102005034297 A1 20060831 - ZEOLITH TECH [DE]

Cited by

EP2728281A4; EP2439467A3; DE202012003544U1; WO2014131679A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1967799 A2 20080910; **EP 1967799 A3 20110518**; **EP 1967799 B1 20121121**; JP 2008215808 A 20080918; JP 5294655 B2 20130918; SG 145659 A1 20080929; US 2008216508 A1 20080911; US 8074470 B2 20111213

DOCDB simple family (application)

EP 08001474 A 20080126; JP 2008053153 A 20080304; SG 2008013856 A 20080219; US 4004008 A 20080229