

Title (en)
Adsorption refrigerator with heat accumulator

Title (de)
Adsorptions-Kühlapparat mit Pufferspeicher

Title (fr)
Refrigerateur à adsorption avec accumulateur de chaleur

Publication
EP 1416233 A3 20050921 (DE)

Application
EP 03017429 A 20030801

Priority
DE 10250510 A 20021029

Abstract (en)
[origin: EP1416233A2] A condenser (13), which leads a condensed working medium to an evaporator (4), takes up heat from the working medium to be cooled during an adsorption phase. The condenser is coupled to a buffer reservoir (14) which buffers a portion of the condensation heat of working medium vapor. The buffer reservoir can dissipate stored heat into the surroundings even during the adsorption phase. An Independent claim is also included for an adsorption cooling apparatus operating method.

IPC 1-7
F25B 17/08; **F25D 11/00**

IPC 8 full level
F25B 17/08 (2006.01); **F25D 11/00** (2006.01); **F25D 23/00** (2006.01)

CPC (source: EP US)
F25B 17/08 (2013.01 - EP US); **F25D 11/00** (2013.01 - EP US); **F25B 2339/046** (2013.01 - EP US); **F25D 23/003** (2013.01 - EP US); **F25D 2700/12** (2013.01 - EP US)

Citation (search report)
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Designated contracting state (EPC)
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DOCDB simple family (application)
EP 03017429 A 20030801; AT 03017429 T 20030801; DE 10250510 A 20021029; DE 50307123 T 20030801; ES 03017429 T 20030801; JP 2003367706 A 20031028; US 65766803 A 20030908