

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 B1 20070425 (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 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)

Cited by

DE102017101058A1; EP2728281A4; US9212837B2; WO2008015608A3; US11920832B2; US11187450B2; US11614267B2; WO2018029522A1; EP3351873A1; US10704811B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1416233 A2 20040506; **EP 1416233 A3 20050921**; **EP 1416233 B1 20070425**; AT E360787 T1 20070515; DE 10250510 A1 20040519; DE 50307123 D1 20070606; ES 2283688 T3 20071101; JP 2004150792 A 20040527; US 2004079106 A1 20040429; US 6820441 B2 20041123

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