

Title (en)
Sorption cooling element with gasproof film

Title (de)
Sorptions-Kühlelement mit gasdichter Folie

Title (fr)
Élément de refroidissement à sorption avec une feuille étanche aux gaz

Publication
EP 1746365 A2 20070124 (DE)

Application
EP 06001786 A 20060128

Priority
DE 102005034297 A 20050722

Abstract (en)
The unit has a sorbent material (4) sealed into a sorbent-containing pouch (1) having a multilayer sheeting material with metallic layer or metallized layer. The material allows a vacuo to sorb a vaporous working medium that evaporates from a fluid working medium in an evaporator. A shut-off unit prevents the working medium vapor from flowing into the sorbent material upto the moment at which the cooling process is initiated. An independent claim is also included for a method for producing a cooling unit.

IPC 8 full level
F25B 17/08 (2006.01)

CPC (source: EP)
F25B 17/08 (2013.01); **F25D 5/02** (2013.01); **F25D 2331/803** (2013.01); **F25D 2331/805** (2013.01)

Citation (applicant)
• EP 0368111 A2 19900516 - ZEOLITH TECH [DE]
• DE 3425419 A1 19860123 - KAUBEK FRITZ, et al
• WO 0110738 A1 20010215 - CROWN CORK & SEAL TECH CORP [US], et al
• WO 9937958 A1 19990729 - UNIV NOTTINGHAM [GB], et al
• US 6474100 B1 20021105 - SMITH DOUGLAS [US], et al

Cited by
EP2447625A3; WO2012062878A1; EP2196752A1; EP2397796A1; WO2010066775A1; WO2011157735A2; EP2695560A1; WO2014166867A1

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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