

Title (en)

Isothermal package for heat sensitive products and method for its production

Title (de)

Isotherme Verpackung für wärmeempfindliche Produkte und Verfahren zu ihrer Herstellung

Title (fr)

Dispositif d'emballage isotherme pour produits sensibles à la température et procédé de fabrication

Publication

EP 1477751 B1 20100929 (FR)

Application

EP 04291214 A 20040512

Priority

FR 0305697 A 20030512

Abstract (en)

[origin: EP1477751A1] The process involves pairing and maintaining a cold accumulator (32) frozen to temperature lower than 0 degreeC with a cold regulation barrier container (31) whose temperature is greater than 3 degreeC to form a coolant distribution unit (3). The unit (3) is inserted in a space with the container placed at a side of an inner envelope to form a separation between the accumulator and the envelope. An independent claim is also included for an isothermal packaging device.

IPC 8 full level

F25D 3/06 (2006.01); **A61J 1/16** (2006.01); **F25D 3/08** (2006.01)

CPC (source: EP)

F25D 3/08 (2013.01); **F25D 2303/08221** (2013.01); **F25D 2331/803** (2013.01); **F25D 2331/804** (2013.01); **F25D 2500/02** (2013.01); **F25D 2600/04** (2013.01)

Cited by

FR2935471A1; JP2011051632A; FR2875000A1; CN102419046A; EP2053325A1; FR2974711A1; JP2017053545A; EP3141847A1; JP2016011795A; WO2017059989A1; WO2012150389A1; WO2011027751A1; EP2098809A1

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1477751 A1 20041117; **EP 1477751 B1 20100929**; AT E483143 T1 20101015; DE 602004029306 D1 20101111; ES 2352790 T3 20110223; FR 2854875 A1 20041119; FR 2854875 B1 20051014

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