

Title (en)

CONSTANT-TEMPERATURE STORAGE CONTAINER AND TRANSPORTATION METHOD

Title (de)

CONTAINER FÜR LAGERUNGEN MIT KONSTANTER TEMPERATUR UND TRANSPORTVERFAHREN DAFÜR

Title (fr)

RÉCIPIENT DE STOCKAGE À TEMPÉRATURE CONSTANTE ET PROCÉDÉ DE TRANSPORT

Publication

EP 2474485 A4 20141112 (EN)

Application

EP 10813700 A 20100901

Priority

- JP 2009203155 A 20090902
- JP 2010064861 W 20100901

Abstract (en)

[origin: EP2474485A1] Disclosed is a container that is capable of maintaining articles requiring thermal management at a prescribed temperature over long periods of time without being influenced by the outside air temperature, and that is capable of storing and transporting the articles. The constant-temperature storage container is characterized by being equipped with a heat-insulating box, and two or more types of cold-storing materials or heat-storing materials disposed therein; by having a latent-heat first cold-storing material or heat-storing material (a) disposed in a solid state adjacent to an article being kept cool or warm, and a latent-heat second cold-storing material or heat-storing material (b) disposed in a molten state on the exterior of the aforementioned first cold-storing material or heat-storing material (a); and in that the solidifying and melting temperature of the aforementioned first cold-storing material or heat-storing material (a) exceeds 0°C. The constant-temperature storage container is capable of maintaining the article being kept cool or warm in an arbitrary temperature range exceeding 0°C for long periods of time.

IPC 8 full level

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CPC (source: EP US)

B65D 81/3816 (2013.01 - EP US); **F25D 3/06** (2013.01 - EP US); **F25D 2303/085** (2013.01 - EP US)

Citation (search report)

- [X] US 2004151851 A1 20040805 - MILLER DRAYTON [US]
- [X] WO 2008133374 A1 20081106 - TAPS INTERNAT CO LTD [KR], et al
- See references of WO 2011027751A1

Cited by

CN102602620A; EP3270081A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2474485 A1 20120711; **EP 2474485 A4 20141112**; CN 102482022 A 20120530; CN 102482022 B 20140305; JP 2011051632 A 20110317; JP 5402416 B2 20140129; US 2012156002 A1 20120621; WO 2011027751 A1 20110310

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