

Title (en)

ISOTHERMAL CONTAINER, PARTICULARLY FOR KEEPING COLD BEVERAGES

Title (de)

ISOTHERMISCHER BEHÄLTER, INSBESONDERE ZUM KÜHLHALTEN VON GETRÄNKEN

Title (fr)

CONTENEUR ISOTHERME, EN PARTICULIER POUR MAINTENIR DES BOISSONS FROIDES

Publication

EP 3001126 A1 20160330 (EN)

Application

EP 15460066 A 20150910

Priority

PL 40959114 A 20140925

Abstract (en)

Isothermal container for keeping beverages, cold beverages in particular, consisting of a body with two walls - the outer wall (2) and inner wall (2), where between the walls there is a layer of phase-change material (4), is characterised in that the phase-change material used for the phase-change material (4) layer is of the solid-liquid type, preferably paraffin solidifying under 8°C, preferably at 5°C. The thickness of the layer of the phase-change material (4) equals no less than 20% of the container's inner diameter. The outer wall (2) is covered with an insulating layer (5) made of polystyrene.

IPC 8 full level

F25D 9/00 (2006.01); **A47G 19/22** (2006.01); **A47J 41/00** (2006.01); **B65D 81/38** (2006.01)

CPC (source: EP)

A47G 19/2288 (2013.01); **B65D 81/3809** (2013.01); **F25D 9/00** (2013.01); **F25D 2303/0831** (2013.01); **F25D 2303/0841** (2013.01)

Citation (applicant)

- PL 395910 A1 20130218 - ARPACK POLSKA SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA [PL]
- PL 397975 A1 20130805 - POLITECHNIKA GDANSKA [PL]
- CN 202919767 U 20130508 - UNIV SHAANXI TECHNOLOGY

Citation (search report)

- [X] US 2006156756 A1 20060720 - BECKE PAUL E [US]
- [X] ES 2372458 A1 20120120 - DAMM SA [ES]
- [X] US 4357809 A 19821109 - HELD EDWARD J, et al
- [X] GB 2447234 A 20080910 - BIRKETT RICHARD JOHN [GB], et al
- [X] US 2004231355 A1 20041125 - MAYER WILLIAM N [US]

Cited by

US10244880B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

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