

Title (en)

METHOD FOR MAKING, FILLING AND PRESSURIZING THE INTERIOR OF A THIN-WALLED CONTAINER

Title (de)

VERFAHREN ZUR HERSTELLUNG, FUELLUNG UND UNTERDRUCKSETZUNG DES INNEREN EINES DÜNNWANDIGEN BEHÄLTERS

Title (fr)

PROCEDE DE REALISATION, DE REMPLISSAGE ET DE MISE EN PRESSION DE L'INTERIEUR D'UN CONTENANT A PAROI MINCE

Publication

EP 2200809 A2 20100630 (FR)

Application

EP 08842872 A 20081009

Priority

- FR 2008051825 W 20081009
- FR 0758188 A 20071010

Abstract (en)

[origin: WO2009053615A2] The subject of the invention is a method of pressurizing a thin-walled container designed to contain a flat liquid, characterized in that it consists in the following series of steps: making a thin-walled container in which residual stresses are set up; filling this container with said flat liquid at a cold temperature; sealing the container after filling it; and heating the wall of the container without raising the temperature of the liquid, to reach the temperature of relaxation of said stresses in such a way that the interior of said container is pressurized. The invention also covers the container produced in this way.

IPC 8 full level

B29C 49/64 (2006.01); **B65B 3/02** (2006.01); **B65B 3/04** (2006.01); **B65B 53/06** (2006.01); **B67C 3/22** (2006.01)

CPC (source: EP US)

B29C 49/64 (2013.01 - EP US); **B65B 3/022** (2013.01 - EP US); **B29C 49/42808** (2022.05 - EP); **B29C 49/6605** (2022.05 - EP); **B29K 2067/00** (2013.01 - EP US); **Y10T 428/13** (2015.01 - EP US)

Citation (search report)

See references of WO 2009053615A2

Cited by

EP2639197A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2922151 A1 20090417; **FR 2922151 B1 20100101**; AU 2008315891 A1 20090430; CA 2702282 A1 20090430; CN 101842216 A 20100922; EP 2200809 A2 20100630; JP 2011500457 A 20110106; MX 2010003780 A 20100924; US 2010209635 A1 20100819; WO 2009053615 A2 20090430; WO 2009053615 A3 20090618; ZA 201002461 B 20110223

DOCDB simple family (application)

FR 0758188 A 20071010; AU 2008315891 A 20081009; CA 2702282 A 20081009; CN 200880111758 A 20081009; EP 08842872 A 20081009; FR 2008051825 W 20081009; JP 2010528459 A 20081009; MX 2010003780 A 20081009; US 68195508 A 20081009; ZA 201002461 A 20100408