

Title (en)

Container, in particular a bottle, made from thermoplastic material equipped with a reinforced bottom

Title (de)

Behälter, insbesondere Flasche, aus thermoplastischem Material mit verstärktem Boden

Title (fr)

Récipient, notamment bouteille, en matière thermoplastique équipé d'un fond renforcé

Publication

EP 2133277 B1 20101110 (FR)

Application

EP 09162293 A 20090609

Priority

FR 0853921 A 20080613

Abstract (en)

[origin: EP2133277A1] The container has a body extending between a neck and a base (3) that has an annular zone (5) surrounding a bottom of a concave arch (4) and forming a plane seat. The base has clamp zones (11) separated from each other and extending a bottom of the body radially in a direction of a central axis of the base, where the clamp zones project offset outward relative to the arch. Radial grooves (12) are radially defined between the clamp zones and have a bottom (13) formed by radial sections (4a) of the arch. The grooves have a radially variable depth maximum in line with the annular zone.

IPC 8 full level

B65D 1/02 (2006.01)

CPC (source: EP US)

B65D 1/0284 (2013.01 - EP US)

Cited by

WO2014083255A1; DE102013101332A1; FR3022223A1; CN101913447A; US11548678B2; US10358250B2; WO2015189515A1; FR2991302A1; FR2998877A1; JP2019533616A; EP3535192A4; WO2013178905A1; US9415891B2; US9758271B2

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DOCDB simple family (publication)

EP 2133277 A1 20091216; EP 2133277 B1 20101110; AT E487664 T1 20101115; CN 101633417 A 20100127; CN 101633417 B 20120125; DE 602009000335 D1 20101223; ES 2355932 T3 20110401; FR 2932458 A1 20091218; FR 2932458 B1 20100820; JP 2009298483 A 20091224; JP 4860724 B2 20120125; MX 2009006478 A 20100115; US 2009308835 A1 20091217; US 8469214 B2 20130625

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