

Title (en)
CONTAINER, IN PARTICULAR BOTTLE, MADE OF THERMOPLASTIC MATERIAL

Title (de)
BEHÄLTER, INSBESONDERE FLASCHE, AUS THERMOPLASTISCHEM MATERIAL

Title (fr)
RECIPIENT, NOTAMMENT BOUTEILLE, EN MATIERE THERMOPLASTIQUE

Publication
EP 1912874 A1 20080423 (FR)

Application
EP 06778676 A 20060626

Priority
• FR 2006001481 W 20060626
• FR 0507493 A 20050712

Abstract (en)
[origin: WO2007006880A1] The invention concerns a thermoplastic container (1) with a body (2) provided with at least one groove (6) closed on itself and extending perpendicularly to the axis of the body; said groove has a depth (p) ranging between 3 and 6 mm; in cross-section, it comprises: a rounded base (8) with small radius of curvature (R1) of 0.2 to 1.5 mm; two planar surfaces spaced apart on either side of the base (8) at an angle (a) of 50° to 90°; and two curvilinear surfaces (10) spaced apart from the respective planar surfaces at an angle (β) less than 180° and linked thereto by a curve (11) of small radius of curvature (R2) not more than 1.5 mm and linked tangentially to the wall (12) of the body (2). Such a groove (S) is deformable with an axial pinching capacity in the presence of an axial force applied on the container.

IPC 8 full level
B65D 79/00 (2006.01); **B65D 1/02** (2006.01)

CPC (source: EP US)
B65D 1/0223 (2013.01 - EP US); **B65D 79/0084** (2020.05 - EP US); **B65D 2501/0036** (2013.01 - EP US)

Citation (search report)
See references of WO 2007006880A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2888563 A1 20070119; **FR 2888563 B1 20071005**; AT E428654 T1 20090515; CN 101263065 A 20080910; CN 101263065 B 20100526; DE 602006006318 D1 20090528; EP 1912874 A1 20080423; EP 1912874 B1 20090415; ES 2324060 T3 20090729; JP 2009501115 A 20090115; JP 4580014 B2 20101110; PT 1912874 E 20090714; US 2008197105 A1 20080821; US 7837049 B2 20101123; WO 2007006880 A1 20070118

DOCDB simple family (application)
FR 0507493 A 20050712; AT 06778676 T 20060626; CN 200680033253 A 20060626; DE 602006006318 T 20060626; EP 06778676 A 20060626; ES 06778676 T 20060626; FR 2006001481 W 20060626; JP 2008520905 A 20060626; PT 06778676 T 20060626; US 99516806 A 20060626