

Title (en)
METHOD OF PRODUCING A COMPRESSION-MOULDED PLASTIC PART COMPRISING A NECK WHICH IS EQUIPPED WITH A DISPENSING ORIFICE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES FLASCHENHALSES VERSEHEN MIT EINER AUSGABEÖFFNUNG DURCH PRESSFORMEN

Title (fr)
PROCEDE D'OBTENTION D'UN GOULOT D'UNE BOUTEILLE MUNI D'UN ORIFICE DE DISTRIBUTION MOULEE PAR COMPRESSION

Publication
EP 1485240 A2 20041215 (FR)

Application
EP 03744402 A 20030317

Priority
• FR 0300837 W 20030317
• FR 0203332 A 20020318

Abstract (en)
[origin: WO03078126A2] The invention relates to a method for the compression moulding of plastic parts (1) comprising a neck (3) which is equipped with an orifice. The inventive method comprises a first step involving the creation of a blank (20) and a second step involving the compression of said blank. The part is moulded with a neck (3) which is equipped with a top wall (4) comprising: a thin area with a notch (5), the contour of said thin area defining the orifice; and two zones which can withstand the mechanical stress (F) necessary in order to break the top wall (4) at the notch (5). One of said two zones (7) is intended to transmit the aforementioned mechanical stress and the other (8) is used as a support. The section of the notch (5) is slightly inclined in relation to the axis of the neck. According to the invention, after moulding, the mechanical stress (F) is applied to one part of the top wall (91), said part being different to the above-mentioned thin area (6), so that the top wall tears at the notch (5), thereby producing the dispensing orifice.

IPC 1-7
B29C 43/42; **B29C 37/00**; **B29C 43/18**; **B29C 43/10**; **B29D 23/20**

IPC 8 full level
B29C 43/36 (2006.01); **B29C 37/00** (2006.01); **B29C 43/02** (2006.01); **B29C 43/18** (2006.01); **B29C 43/42** (2006.01); **B29C 33/44** (2006.01); **B29C 43/10** (2006.01)

CPC (source: EP US)
B29C 37/0057 (2013.01 - EP US); **B29C 43/18** (2013.01 - EP US); **B29C 43/42** (2013.01 - EP US); **B29C 33/446** (2013.01 - EP US); **B29C 43/10** (2013.01 - EP US); **B29C 2043/022** (2013.01 - EP US); **B29C 2043/023** (2013.01 - EP US); **B29C 2043/3652** (2013.01 - EP US); **B29C 2043/5015** (2013.01 - EP US); **B29K 2105/258** (2013.01 - EP US); **B29L 2001/00** (2013.01 - EP US); **B29L 2031/565** (2013.01 - EP US); **B29L 2031/712** (2013.01 - EP US)

Citation (search report)
See references of WO 03078126A2

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

DOCDB simple family (publication)
WO 03078126 A2 20030925; **WO 03078126 A3 20040311**; AU 2003232291 A1 20030929; AU 2003232291 A8 20030929; BR 0308514 A 20050104; CN 1638935 A 20050713; EP 1485240 A2 20041215; FR 2837132 A1 20030919; FR 2837132 B1 20050114; JP 2005527399 A 20050915; MX PA04008940 A 20041126; PL 370833 A1 20050530; RU 2004130495 A 20050610; US 2005051928 A1 20050310; US 8025825 B2 20110927

DOCDB simple family (application)
FR 0300837 W 20030317; AU 2003232291 A 20030317; BR 0308514 A 20030317; CN 03805614 A 20030317; EP 03744402 A 20030317; FR 0203332 A 20020318; JP 2003576163 A 20030317; MX PA04008940 A 20030317; PL 37083303 A 20030317; RU 2004130495 A 20030317; US 50192904 A 20040728