

Title (en)

Plastic bottle crushable in the empty state by axial pressure

Title (de)

Im leeren Zustand, durch axialen Druck, zusammenpressbare Kunststoffflasche

Title (fr)

Bouteille en matière plastique écrasable à vide par compression axiale

Publication

EP 0722888 B1 19980722 (FR)

Application

EP 96400143 A 19960122

Priority

FR 9500711 A 19950123

Abstract (en)

[origin: EP0722888A1] The bottle has a cylindrical body (12) with a square section. It is formed with transverse V section corrugations (14) with initial outwards projecting folds (16) locally on the corrugation bottoms. The folds allow almost complete squashing of the open and empty bottle by an axial compressive force of about 10 daN. The body has a polygonal cross section with rounded tops (18) near which the initial folds are formed. There are four folds angularly displaced from one corrugation to the next one. The circular arc which connects the contour of the folds is connected by the circular arc which defines the rounded tops to the point where this arc is joined to the corresponding side (20) of the body section.

IPC 1-7

B65D 1/02

IPC 8 full level

B65D 21/08 (2006.01); **B65D 1/02** (2006.01); **B65D 8/12** (2006.01)

CPC (source: EP US)

B65D 1/0292 (2013.01 - EP US); **Y10S 215/90** (2013.01 - EP); **Y10S 220/907** (2013.01 - EP)

Cited by

CN102933465A; USRE36377E; USRE38770E; FR3132290A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

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