

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)

**EP 0722888 A1 19960724; EP 0722888 B1 19980722**; AT E168641 T1 19980815; CA 2185693 A1 19960801; DE 69600439 D1 19980827; DE 69600439 T2 19990225; ES 2122766 T3 19981216; FR 2729640 A1 19960726; FR 2729640 B1 19970307; JP H10502038 A 19980224; US 5746339 A 19980505; WO 9622918 A1 19960801

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