

Title (en)
HOT FILL THERMOPLASTIC CONTAINER

Publication
EP 0224316 B1 19891011 (EN)

Application
EP 86202095 A 19861125

Priority
US 80152285 A 19851125

Abstract (en)
[origin: EP0224316A1] A method of hot filling a thermoplastic container so as to avoid deformation and collapse of the container, which comprises the steps of continuously applying a vacuum means to the original side walls of a thermoplastic container so as to draw out concave indentations in said original side walls of said container into a convex shape, filling the container with desired contents during continuous application of the vacuum means, sealing the container by an appropriate sealing means during continuous application of the vacuum means, discontinuing the vacuum means, and cooling the container, whose convex side walls, in the absence of the external vacuum, invert to indentations of a concave shape, which was its original formed shape.

IPC 1-7
B65B 3/04; **B65B 61/00**

IPC 8 full level
A23L 3/00 (2006.01); **B29C 65/00** (2006.01); **B65B 3/04** (2006.01); **B65B 43/54** (2006.01); **B65B 61/00** (2006.01); **B65D 1/26** (2006.01)

CPC (source: EP)
B65B 3/04 (2013.01); **B65B 61/00** (2013.01)

Cited by
EP1526091A1; US8337922B2

Designated contracting state (EPC)
BE DE ES FR GB IT LU NL

DOCDB simple family (publication)
EP 0224316 A1 19870603; **EP 0224316 B1 19891011**; AU 577481 B2 19880922; AU 6561386 A 19870528; CA 1272704 A 19900814; DE 3666209 D1 19891116; ES 2012046 B3 19900301; JP S62146105 A 19870630

DOCDB simple family (application)
EP 86202095 A 19861125; AU 6561386 A 19861124; CA 523670 A 19861124; DE 3666209 T 19861125; ES 86202095 T 19861125; JP 27895286 A 19861125