

Title (en)
HOT FILL THERMOPLASTIC CONTAINER

Publication
EP 0229420 B1 19891011 (EN)

Application
EP 86202244 A 19861211

Priority
US 81731886 A 19860109

Abstract (en)
[origin: EP0229420A1] A process for hot filling a thermoplastic container so as to avoid deformation and collapse of the container, resulting in a container with a concave base which comprises the steps of continuously applying a vacuum means to the base of a thermoplastic container so as to draw down the base of the 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 base, in the absence of the external vacuum, inverts to a concave shape, which was its original formed shape.

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

IPC 8 full level
B67C 3/14 (2006.01); **B65B 3/04** (2006.01); **B65B 7/28** (2006.01); **B65B 61/00** (2006.01)

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

Cited by
JP2017132037A; CN102514785A; EP1526091A1; US6296903B1; US8337922B2; WO2006068511A1; US8028498B2; US9193496B2

Designated contracting state (EPC)
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EP 0229420 A1 19870722; **EP 0229420 B1 19891011**; AU 581796 B2 19890302; AU 6719087 A 19870716; CA 1287605 C 19910813; DE 3666207 D1 19891116; ES 2011617 B3 19900201; JP S62208302 A 19870912

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EP 86202244 A 19861211; AU 6719087 A 19870107; CA 525374 A 19861215; DE 3666207 T 19861211; ES 86202244 T 19861211; JP 63887 A 19870107