

Title (en)

Method of filling a can and can for use therein

Title (de)

Verfahren zum Füllen von Blechdosen und Blechdose dafür

Title (fr)

Procédé de remplissage de boîtes et boîte utilisée par le procédé

Publication

**EP 0521642 B1 19961227 (EN)**

Application

**EP 92305702 A 19920622**

Priority

GB 9114503 A 19910704

Abstract (en)

[origin: EP0521642A1] A method of filling a can with a non-carbonated product comprises in sequence the steps of (a) filling an open topped can with the product to leave a headspace; (b) blowing a permanent gas into the headspace to substantially fill the headspace and displace water vapour from the headspace; (c) seaming a can end onto the can to close the can; and (d) deforming the can end or can bottom from a first stable shape to a second stable shape so reducing the headspace volume and increase the headspace pressure to a level such that in anticipated conditions of processing, transit and storage the internal pressure remains above 1 atmosphere. The benefits arising are that cans having a thin side wall are supported against abuse or collapse and the cans remain in their desired shape. <IMAGE>

IPC 1-7

**B65B 31/00**; **B65D 79/00**

IPC 8 full level

**B67C 3/00** (2006.01); **B65B 31/00** (2006.01); **B65D 79/00** (2006.01)

CPC (source: EP US)

**B65B 31/00** (2013.01 - EP); **B65D 79/0081** (2020.05 - EP US); **B65D 79/0087** (2020.05 - EP US)

Cited by

CN102837850A; ITVR20100064A1; EP1641691A4; EP1500593A3; US5804237A; US9707711B2; US6666933B2; US10118331B2; WO2011120905A1; WO2005040006A1; WO2008058579A1; US9993959B2; US10501225B2; EP2161207A1; US11897656B2; US9764873B2; US9969517B2; US10035690B2; US10189596B2; US11731823B2; US11993443B2; US10214407B2; US10836552B2; US11377287B2; US8177092B2; US9802730B2; US9878816B2; US10315796B2; US10661939B2; US7717282B2; US8047389B2; US9688427B2; US10246238B2; US9624018B2; US10273072B2; US10351325B2; US11377286B2

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