

Title (en)

Apparatus and method for reshaping containers.

Title (de)

Vorrichtung und Verfahren zum Wieder-im-Form-bringen von Behältern.

Title (fr)

Dispositif et procédé de remodelage de récipients.

Publication

**EP 0521637 A1 19930107 (EN)**

Application

**EP 92305604 A 19920618**

Priority

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- GB 9212687 A 19920615
- SG 137394 A 19940927

Abstract (en)

An apparatus for reshaping a container 12 includes a mold 210 of the split type. The container 12 has a body member 14, a closed lower end member 16 and a cone-shaped open upper end member 18. The mold 210 has a pair of upper clamping members 250,252 and a lower clamping member 272 which slide along a liner 228. The upper clamping members 250,252 and a seal 262 for closing the container 12 act on the double seam 19 between the upper end member 18 and the body member 14, thus ensuring that the upper end member 18 and the double seam 19 do not deform during reshaping. The seam 17 between the lower end member 16 and the body member 14 is gripped between the lower clamping member 272 and a support member 258. During reshaping, compressed air is supplied to the interior of the container 12, causing it to expand outwardly while the clamping members move inwardly. <IMAGE>

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**B21D 26/02**

IPC 8 full level

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CPC (source: EP)

**B21D 26/049** (2013.01); **B21D 51/2669** (2013.01); **B65D 83/38** (2013.01)

Citation (search report)

- [A] DE 2131811 A1 19721228 - SIEMENS ELEKTROGERAETE GMBH
- [A] US 3335590 A 19670815 - EARLY KENNETH E
- [A] GB 2123329 A 19840201 - FIZ TECH I AKAD NAUK
- [A] CH 388887 A 19650315 - GERZAT METALLURG [FR]

Cited by

EP2366472A1; EP2359953A1; WO2011104201A1; US11738382B2; RU2733613C1; US5938389A; US5829290A; US5832766A; US5970767A; US5746080A; US5960659A; RU2684130C1; EP1586393A1; US7726162B2; EP2859966A1; CN105722618A; EP4116006A3; WO2005099926A1; WO9729868A1; WO9820992A1; EP2592011A1; WO2013068292A1; WO9712705A1; WO9712706A1; WO9712704A1; WO2015054284A3; US10906081B2

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