

Title (en)

DEVICE FOR COMPACTING HOLLOW BODIES, IN PARTICULAR BEVERAGE CANS

Title (de)

VORRICHTUNG ZUM KOMPAKTIEREN VON HOHLKÖRPERN, INSBESONDERE VON GETRÄNKEBLECHDOSEN

Title (fr)

DISPOSITIF DE COMPRESSION DE CORPS CREUX, EN PARTICULIER DE CANETTES DE BOISSON

Publication

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Application

**EP 10784662 A 20100930**

Priority

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Abstract (en)

[origin: WO2011044873A1] The present invention relates to a device for compacting hollow bodies, in particular beverage cans, comprising a roller (3) that works against a counter bearing in order to form a draw-in gap (23), the roller having a substantially cylindrical main body (10), from which draw-in elements (12) protrude, which extend continuously in the longitudinal direction of the roller substantially over the entire length of the roller and are arranged parallel to each other. The aim of the invention is to provide such a device that is equipped with draw-in elements that perform effective compacting work in addition to effective draw-in. Said aim is achieved in that the draw-in elements are formed by bars (12) having two side flanks (13, 14) and a top surface (15) that connects said side flanks, the bars extending in a wavelike manner.

IPC 8 full level

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**B30B 9/325** (2013.01 - EP US); **B30B 9/301** (2013.01 - EP)

Citation (search report)

See references of WO 2011044873A1

Citation (examination)

- US 4127979 A 19781205 - HOCH MANFRIED L
- US 1056461 A 19130318 - SIMONDS HERBERT R [US]
- US 997047 A 19110704 - DESSAU MORLAND MICHOLL [GB]
- US 1681920 A 19280828 - RAFFAELE BACCELLIERI
- US 386014 A 18880710

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