

Title (en)

METAL CAN HAVING A PRESSURE CONTROL DEVICE

Title (de)

METALDOSE MIT EINER DRUCKKONTROLVORRICHTUNG

Title (fr)

BOITE METALLIQUE AYANT UN DISPOSITIF DE REGULATION DE LA PRESSION

Publication

EP 1103470 A4 20060621 (EN)

Application

EP 98961554 A 19981225

Priority

- JP 9805905 W 19981225
- JP 36687097 A 19971226

Abstract (en)

[origin: WO9933709A1] A can body (1) of canned goods of a low positive pressure having inner pressure checking adaptability, wherein a trunk portion (2) and a bottom portion are molded seamlessly into an integral structure, the bottom portion having an annular seating section (3) in the vicinity of an outer circumferential part thereof, a part on the inner side of the annular seating section (3) constituting an inner rising wall (4) extending upward in the inward direction of the can body, a substantially flat bottom wall (6) being formed on the inner side of the inner rising wall (4) to a height larger than that of the seating position by 0.5-6 mm, goods being packed and sealed in the can body (1) in a low positive-pressure state so that an inner pressure at room temperature is 0.2-0.8 kgf/cm² and more preferably in the range of 0.2-0.6 with scatter of +/- 0.2 kgf/cm² and preferably +/- 0.1 kgf/cm², to enable the flat portion of the bottom wall (6) to have a knock-checking adaptability.

IPC 8 full level

B65B 55/14 (2006.01); **B65D 1/14** (2006.01); **A23L 2/00** (2006.01); **A23L 3/00** (2006.01); **B65B 31/04** (2006.01); **B65D 1/16** (2006.01); **B65D 79/00** (2006.01)

CPC (source: EP KR US)

B65D 1/14 (2013.01 - KR); **B65D 1/165** (2013.01 - EP); **B65D 79/0081** (2020.05 - EP KR US)

Citation (search report)

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- [Y] EP 0421597 A1 19910410 - GUINNESS SON & CO LTD A [IE]
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JP 9805905 W 19981225; AU 1689199 A 19981225; EP 98961554 A 19981225; JP 36687097 A 19971226; KR 19997007720 A 19990824; TW 87121597 A 19981224