

Title (en)

LIGHTWEIGHT BEVERAGE CAN MADE FROM ALUMINUM ALLOY

Title (de)

LEICHTE GETRÄNKEDOSE AUS ALUMINIUMLEGIERUNG

Title (fr)

BOITE BOISSON ALLEGEE EN ALLIAGE D'ALUMINIUM

Publication

**EP 3969380 A1 20220323 (FR)**

Application

**EP 20740700 A 20200512**

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Abstract (en)

[origin: WO2020229767A1] The invention relates to a beverage can on the basis of an aluminum alloy, preferably for a carbonated drink, comprising:  
- a body (6) having a cylindrical shape and an outer diameter D1; - a concave dome-shaped bottom (1) having a depth H1 at its center, an outer diameter D3 and a rectilinear part (2) having a height H3; - a convex lower ring (7) having a bearing diameter D2 and a flat surface with a width L2;  
- an outer shoulder (5) of radius R1; - a comb (4) connecting the outer shoulder (5) and the lower ring (7). The invention is characterized in that the thickness of the sheet of the dome is from 180 to 230 µm, preferably from 190 to 220 µm; and in that the outer diameter D3 of the concave dome (1) is from 36 to 44 mm, preferably from 37 to 43 mm; and in that the width of the lower ring L4 is from 3 to 4.5 mm, preferably from 3.3 to 4 mm; and in that the lower ring has concave deformations (8) which are distributed at regular intervals along the lower ring (7).

IPC 8 full level

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