

Title (en)

METHOD FOR PRODUCING A BEVERAGE CAN, A BOTTLE-CAN OR AN AEROSOL CAN FROM ALUMINIUM ALLOY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER GETRÄNKEDOSE, EINER FLASCHENDOSE ODER EINER AEROSOLDOSE AUS ALUMINIUMLEGIERUNG

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE BOÎTE-BOISSON, BOUTEILLE MÉTALLIQUE OU BOÎTIER D'AÉROSOL EN ALLIAGE D'ALUMINIUM

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Application

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Abstract (en)

[origin: WO2015107284A1] The invention relates to a method for producing a beverage can, a bottle or an aerosol can from aluminium alloy, by means of drawing and ironing using a non-circular blank, in which: the metal strip from which each blank is taken is divided virtually into identical regular hexagons of which two opposing sides are substantially perpendicular to the rolling direction of the strip, forming a compact flat hexagonal system; the periphery of the blank is calculated by adjustment starting with a concentric circle having a radius smaller than that of the inscribed circle of the corresponding hexagon, so as to compensate for the anisotropy of the metal during drawing, using a method known to persons skilled in the art; at least four ears are added, extending from and beyond the periphery in the free zones of the hexagon, of which the main axis forms an angle of substantially 35°, 145°, 215° and 325° with the rolling direction. The invention also relates to a beverage can, a bottle-can or an aerosol can made from a flank having the aforementioned features, including a shaped bottle-can or aerosol can, i.e. the main walls of which are not strictly cylindrical.

IPC 8 full level

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