

Title (en)

Method for manufacturing metal cans for drinks

Title (de)

Verfahren zum Herstellen von Blechdosen für Getränke

Title (fr)

Procédé de fabrication d'une boîte métallique du type boîte-boisson

Publication

EP 0767241 B1 20010328 (FR)

Application

EP 96401988 A 19960919

Priority

FR 9511734 A 19951006

Abstract (en)

[origin: EP0767241A1] Steel comprises 0-0.008, pref. 0-0.004 wt.% C, 0.10-0.50, pref. 0.10-0.30% Mn, 0-0.006, pref. 0-0.004% N, 0.01-0.07, pref. 0.01-0.05% Al, 0-0.15% P, 0-0.020% S, 0-0.020% Si, up to 0.08% of one or more of Cu, Ni and Cr, 0.005-0.020% Ti and 0.005-0.020% Nb, the sum of Ti and Nb exceeding 0.020%, the remainder being Fe and incidental impurities. Also claimed is making a cup-like drinks can blank from the steel, which is hot-rolled, then cold-rolled to make a sheet. The sheet is annealed and then pressed to form the can base with a peripheral flange. The flange is then drawn to form the can sidewall, at least part of the sidewall is annealed at above the recrystallisation temp. of the steel and finally the sidewall is further shaped to its final form. A can comprising a blank so made and fitted with a lid is also claimed.

IPC 1-7

C21D 8/04

IPC 8 full level

C21D 8/04 (2006.01)

CPC (source: EP)

C21D 8/0447 (2013.01); **C21D 8/0421** (2013.01); **C21D 8/0426** (2013.01)

Cited by

CN105257928A; US9327338B2; US7934410B2; US7954354B2; US8555692B2; US9707615B2; US10464707B2

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