

Title (en)

Process for producing steel strip for deep drawing and redrawing of steel cans

Title (de)

Verfahren zum Herstellen von Stahlband zum Tiefziehen von Stahldosen

Title (fr)

Procédé de fabrication d'une bande d'acier destinée à la fabrication par emboutissage et ré-emboutissage de récipients en acier

Publication

EP 0718411 B1 20000209 (FR)

Application

EP 95402752 A 19951207

Priority

FR 9415350 A 19941221

Abstract (en)

[origin: EP0718411A1] A steel strip from which drink cans are to be made, is prepared from a hot-rolled strip of very low carbon steel, which is first cold-rolled, then annealed at 600-700 degrees C, then cold-rolled again with at least two passes to reduce its thickness by at least 35%, pref. 38-47%. Pref. the process is continuous, and the two passes reduce the thickness by at least 25% and 5% respectively. The steel may comprise $\geq 0.006\%$ C, $\geq 0.02\%$ Si, 0.15-0.35% Mn, $\geq 0.015\%$ S, $\geq 0.015\%$ P, $\geq 0.006\%$ N, 0.02-0.06% Al and the rest Fe apart from incidental impurities. The resulting strip has a thickness less than 0.2 mm, pref. less than 0.17 mm, and a bursting strength of at least 600 MPa.

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CPC (source: EP US)

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Citation (examination)

EP 0581629 A1 19940202 - LORRAINE LAMINAGE [FR]

Cited by

EP0943696A4; CN1055316C; EP0906961A1; FR2769251A1; WO9801242A1

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