

Title (en)
Low aluminum steel sheet for cans

Title (de)
Stahlband mit geringem Aluminiumgehalt für Behälter

Title (fr)
Tôle d'acier à basse teneur en aluminium pour emballage

Publication
EP 1065282 B1 20020904 (FR)

Application
EP 00401865 A 20000630

Priority
FR 9908416 A 19990701

Abstract (en)
[origin: EP1065282A1] Annealing takes place continuously, and involves raising the temperature above that initiating perlitic transformation Ac1, maintaining the temperature above this level for more than 10s, and rapidly cooling to a temperature below 350 degrees C, at above 100 degrees C/s Production of the steel strip involves: (a) providing a hot-rolled steel strip containing (in wt.%) 0.050-0.080 C, 0.25-0.40 Mn, 0.020 Al, 0.010-0.014 N, and the remainder Fe and inevitable impurities; (b) primary cold rolling of the obtained strip; (c) annealing the cold rolled steel strip; and (d) secondary cold rolling of the annealed steel strip. An Independent claim is included for the steel strip produced by the above process. In an aged state, the ultimate elongation is in accordance with an equation provided, expressed in terms of the ultimate tensile strength.

IPC 1-7
C21D 8/04; **C21D 9/48**

IPC 8 full level
C21D 8/04 (2006.01); **C21D 9/48** (2006.01)

CPC (source: EP US)
C21D 8/0468 (2013.01 - EP US); **C21D 9/48** (2013.01 - EP US); **C21D 8/0436** (2013.01 - EP US); **C21D 8/0473** (2013.01 - EP US)

Cited by
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