

Title (en)
STEEL SHEET FOR USE IN CONTAINERS AND MANUFACTURING METHOD THEREFOR

Title (de)
STAHLBLECH ZUR VERWENDUNG IN BEHÄLTERN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
FEUILLE D'ACIER POUR CONTENANTS ET PROCEDE DE FABRICATION CORRESPONDANT

Publication
EP 1706514 B1 20150311 (EN)

Application
EP 05704017 A 20050117

Priority
• JP 2005000796 W 20050117
• JP 2004011139 A 20040119

Abstract (en)
[origin: WO2005068667A1] In the manufacturing method of steel sheets for use in containers, steel (which may contain less than or equal to 0.0800% C, 0.600% N, 2.0% Si, 2.0% Mn; 0.10% P, 0.05% S, 2.0% Al and residual amounts of Fe), after cold-rolling, may undergo a recrystallization annealing process. By adjusting the environment, temperature and duration of the heat treatment which follows, it is possible to control the area ratio of nitrides on the surface to be greater than or equal to 1.0%. Furthermore, it is possible to control the greater of the density of the individual nitrified area of 0.1 μm or greater and the individual steel base material to be greater than or equal to 0.001 units/ μm^2 .

IPC 8 full level
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CPC (source: EP KR)
C21D 1/76 (2013.01 - KR); **C21D 8/0236** (2013.01 - KR); **C21D 8/0257** (2013.01 - EP KR); **C21D 8/0436** (2013.01 - EP KR); **C21D 8/0457** (2013.01 - KR); **C21D 9/46** (2013.01 - KR); **C22C 38/04** (2013.01 - EP KR); **C23C 8/02** (2013.01 - EP KR); **C23C 8/26** (2013.01 - EP KR); **C21D 1/76** (2013.01 - EP); **C21D 8/0236** (2013.01 - EP); **C21D 8/0457** (2013.01 - EP); **C21D 9/46** (2013.01 - EP)

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