

Title (en)

THIN STRIPS OR FOILS OF AL-FE-SI ALLOY

Title (de)

DÜNNE BÄNDER ODER BLECHE AUS EINER AL-FE-SI-LEGIERUNG

Title (fr)

FEUILLES OU BANDES MINCES EN ALLIAGE AL-FE-SI

Publication

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Application

**EP 04767726 A 20040719**

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Abstract (en)

[origin: US2006213590A1] The invention relates to a thin strip or foil, having a thickness of 6 to 200 ?m, preferably, of 6 to 50 ?m, and composed of an alloy containing (in weight %) Si: 1.0 to 1.5, Fe: 1.0 to 1.5, Cu <0.2, Mn <0.1, other elements <0.05 each up to a total <0.15, the remainder being Al. The annealed thin strip or foil has a tensile strength R<SUB>m </SUB>>110 MPa for a thickness >9 ?m and >100 MPa for a thickness of 6 to 9 ?m, and an elastic limit R<SUB>0.2 </SUB>>70 MPa. Preferably, said alloy has a silicon content of 1.1 to 1.3% and an iron content of 1.0 to 1.2%. The aforementioned thin strips or foils may be used especially for the production of multilayer composites, overcaps for bottles or aluminium wrappings.

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IPC 8 full level

**C22C 21/00** (2006.01); **C22C 21/02** (2006.01); **C22F 1/04** (2006.01); **C22F 1/043** (2006.01)

IPC 8 main group level

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