

Title (en)

Production of aluminum alloy sheet and articles fabricated therefrom.

Title (de)

Herstellung von Blechen aus einer Aluminiumlegierung und damit hergestellte Gegenstände.

Title (fr)

Fabrication de feuillards en alliage d'aluminium et articles fabriqués avec ces feuillards.

Publication

EP 0269773 A1 19880608 (EN)

Application

EP 86309497 A 19861205

Priority

EP 86309497 A 19861205

Abstract (en)

A process for producing Al-Mg-Si alloy sheet in T8 temper, including the steps of providing a sheet article of an intermediate gauge, solution heat treating the article, naturally aging the article for at least one day, cold rolling the article to final gauge, and artificially aging it, wherein the artificial aging step is performed by heating the cold rolled sheet at final gauge to a predetermined temperature for a time shorter than that at which maximum yield strength would be achieved. The intermediate gauge is selected such that a reduction between about 25% and about 71% therefrom is required to achieve the final gauge. The T8 sheet is characterized by strength and formability properties suitable for production of one piece drawn and ironed can bodies and lids therefor, and for other purposes.

IPC 1-7

C22F 1/05

IPC 8 full level

C22F 1/05 (2006.01)

CPC (source: EP)

C22F 1/05 (2013.01)

Citation (search report)

- [E] US 4637842 A 19870120 - JEFFREY PAUL W [CA], et al
- [Y] FR 2375332 A1 19780721 - ALUSUISSE [CH]
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- [A] DE 2810958 A1 19790705 - ALUSUISSE
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Designated contracting state (EPC)

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