

Title (en)

Process for producing an electrical conductor in aluminium alloy

Title (de)

Verfahren zur Herstellung von einem elektrischen Leiter aus einer Aluminiumlegierung

Title (fr)

Procédé de production d'un conducteur électrique en alliage d'aluminium

Publication

EP 1201779 B1 20060308 (DE)

Application

EP 00811003 A 20001027

Priority

EP 00811003 A 20001027

Abstract (en)

[origin: EP1201779A1] Electrical conductor is made from an aluminum alloy of the AlMgSi type containing (in wt.%) 0.4-0.6 silicon, 0.15-0.2 iron, maximum 0.03 copper, maximum 0.05 manganese, 0.4-0.6 magnesium, maximum 0.01 chromium, maximum 0.03 zinc, maximum 0.02 titanium, maximum 0.03 further alloying components, and a balance of aluminum. The alloy is present in the over-aged state T7. An Independent claim is also included for a process for the production of the electrical conductor comprising extruding the above alloy to a profile and hot ageing to produce the over-aged state T7. Preferred Features: The over-aged state T7 is produced by hot ageing in the region of 160-230 degrees C for 5-30 hours.

IPC 8 full level

C22C 21/02 (2006.01); **C22C 21/08** (2006.01); **C22F 1/05** (2006.01); **H01B 1/02** (2006.01)

CPC (source: EP)

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Cited by

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