

Title (en)

PRODUCTION METHOD OF ALUMINIUM ALLOY STRIP OR SHEET FOR HEAT EXCHANGER

Title (de)

HERSTELLUNGSVERFAHREN EINES ALUMINIUMLEGIERUNGSBANDES ODER -BLECHES FÜR WÄRMETAUSCHER

Title (fr)

PROCEDE DE PRODUCTION DE FEUILLARD OU TOLE EN ALLIAGE D'ALUMINIUM POUR ECHANGEUR DE CHALEUR

Publication

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Application

EP 05716483 A 20050331

Priority

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Abstract (en)

[origin: WO2005095660A1] The invention relates to a heat-resistant aluminium alloy for heat exchangers, a method for producing an aluminium strip or sheet for heat exchangers, and a corresponding aluminium strip or sheet. The aim of the invention is to provide an aluminium alloy and an aluminium strip or sheet which has a good recycling capacity, a Solidus temperature of at least 620 °C, and an improved heat-resistance after welding. To this end, the inventive aluminium alloy comprises the following parts of alloy constituents in wt. %: 0.3 % ≤ Si ≤ 1 %, Fe ≤ 0.5 %, 0.3 % ≤ Cu ≤ 0.7 %, 1.1 % ≤ Mn ≤ 1.8 %, 0.15 % ≤ Mg ≤ 0.6 %, 0.01 % ≤ Cr ≤ 0.3 %, Zn ≤ 0.10 %, Ti ≤ 0.3 %, unavoidable impurities separately representing a maximum of 0.1 %, and together a maximum of 0.15 %, the remainder being aluminium.

IPC 8 full level

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CPC (source: EP KR US)

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