

Title (en)

RESISTANT ALLOY FOR HEAT EXCHANGERS

Title (de)

HOCHFESTE LEGIERUNG FÜR WÄRMETAUSCHER

Title (fr)

ALLIAGE DE GRANDE RESISTANCE POUR ECHANGEUR THERMIQUE

Publication

**EP 1649070 A1 20060426 (DE)**

Application

**EP 04763503 A 20040726**

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Abstract (en)

[origin: WO2005010223A1] The invention relates to a cold-hardened aluminium alloy for heat exchangers, a method for production of a cold-hardened aluminium strip or sheet and an aluminium strip or sheet. According to the invention, a cold-hardened aluminium alloy for heat exchangers may be provided which permits an economic application of inert gas shielded welding for the production of heat exchangers and with high resistance after a natural hardening after the welding, whereby the aluminium alloy has the following alloy components in wt. %: Si <= 0.7%, 0.1% <= Mg <= 1, Fe <= 0.3%, 0.08% <= Cu <= 0.2%, Ti <= 0.2%, Mn <= 0.1%, Cr <= 0.1%, Zn <= 0.1%, unavoidable impurities individually max. 0.1%, in total max. 0.15% and remainder aluminium.

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**C22C 1/02; C22F 1/05**

IPC 8 full level

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CPC (source: EP KR)

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