

Title (en)

HEAT-RESISTANT ALUMINUM ALLOY AND PROCESS FOR ITS PRODUCTION.

Title (de)

HITZEBESTÄNDIGE ALUMINIUMLEGIERUNG UND VERFAHREN ZUR HERSTELLUNG.

Title (fr)

ALLIAGE D'ALUMINIUM THERMO-RESISTANT ET PROCEDE DE PRODUCTION.

Publication

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Application

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Priority

JP 25668687 A 19871012

Abstract (en)

[origin: WO8903435A1] A heat-resistant aluminum alloy, which contains 5 to 10 wt % of iron, 0.5 to 3 wt % of molybdenum, 0.5 to 3 wt % of at least one element selected from among chromium, zirconium and vanadium, with the sum of iron, molybdenum, chromium, zirconium and vanadium being 6 to 16 wt %, and the balance of substantially aluminum, and which has a tensile strength at 300C of 26kg/mm² or more. This alloy can be produced by preparing an aluminum alloy powder of the above-described formulation according to the melt atomizing process, and solidifying and molding the product at temperatures of 400 to 580C.

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