

Title (en)

USE OF PRODUCTS MADE FROM ALUMINIUM COPPER MAGNESIUM ALLOY THAT PERFORM WELL AT HIGH TEMPERATURE

Title (de)

VERWENDUNG VON PRODUKTEN AUS EINER BEI HOHER TEMPERATUR GUT AUSBILDENDEN ALUMINIUM-KUPFER-MAGNESIUM-LEGIERUNG

Title (fr)

UTILISATION DE PRODUITS EN ALLIAGE ALUMINIUM CUIVRE MAGNESIUM PERFORMANTS A HAUTE TEMPERATURE

Publication

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Application

**EP 21734420 A 20210531**

Priority

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Abstract (en)

[origin: CA3184620A1] The invention relates to the use of a wrought T8 aluminium alloy product with the following composition, in wt%, Cu: 3.6 4.4; Mg: 1.2 1.4; Mn: 0.5 0.8; Zr: = 0.15; Ti: 0.01 0.15; Si = 0.20; Fe = 0.20; Zn = 0.25; other elements < 0.05; the remainder being aluminium, in an application in which the product is kept at temperatures of between 80°C and 250°C for a significant period of at least 200 hours. The products intended for the use according to the invention are particularly useful in an application such as a rotor or another component of an air suction pump such as, in particular, a vacuum pump.

IPC 8 full level

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