

Title (en)

AL-MG ALLOY PRODUCTS FOR A WELDED CONSTRUCTION

Title (de)

PRODUKTE AUS AL-MG-LEGIERUNG FÜR GESCHWEISSTE STRUKTUREN

Title (fr)

PRODUITS EN ALLIAGES AL-MG POUR CONSTRUCTION SOUDEE

Publication

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Application

**EP 03738175 A 20030319**

Priority

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Abstract (en)

[origin: WO03080884A2] The invention relates to a welded Al-Zn-Mg-Cu alloy product characterized in that it contains in per cent by mass: Mg 4.85 5.35, Mn 0.20 0.50, Zn 0.20 0.45, Si < 0.20 Fe < 0.30, Cu < 0.25, Cr < 0.15, Ti < 0.15, Zr < 0.15, the remainder being aluminium with inevitable impurities. Preferably, the inventive product has a stretch at break A (TL) of at least 24 %, and a Rm(TL) x A(TL) parameter of at least 8500. It has a good intergranular resistance to corrosion characteristic under constraint and can be used for the welded construction of tank devices, car bodies and industrial vehicles.

IPC 8 full level

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