

Title (en)
NOVEL WELDABLE ANTI-CORROSIVE ALUMINIUM-MAGNESIUM ALLOY CONTAINING A HIGH AMOUNT OF MAGNESIUM, ESPECIALLY FOR USE IN AUTOMOBILES

Title (de)
NEUE SCHWEISSBARE, KORROSIONSBESTÄNDIGE HOCHMAGNESIUMHALTIGE ALUMINIUM-MAGNESIUM-LEGIERUNG, INSBESONDERE FÜR DIE AUTOMOBILANWENDUNG

Title (fr)
NOUVEL ALLIAGE ALUMINIUM-MAGNESIUM SOUDABLE, A HAUTE TENEUR EN MAGNESIUM, RESISTANT A LA CORROSION, DESTINE NOTAMMENT A DES APPLICATIONS DANS L'AUTOMOBILE

Publication
EP 1025270 A1 20000809 (DE)

Application
EP 99952346 A 19990810

Priority
• DE 9902491 W 19990810
• DE 19838015 A 19980821

Abstract (en)
[origin: US6315948B1] A weldable, high magnesium-content aluminum-magnesium alloy consisting essentially of at least 5 to 6% by weight magnesium (Mg), 0.05 to 0.15% by weight zirconium (Zr), 0.7 to 1% by weight manganese (Mn), 0.01 to 0.2% by weight titanium (Ti), 0.005 to 0.5% by weight cerium (Ce), 0.05 to 0.5% by weight of one or more elements selected from the scandium group of the Periodic Table and/or terbium (Tb), wherein at least scandium (Sc) is included with or without terbium (Tb) and with or without 0.05 to 0.45% by weight of an element from the lanthanide series, the balance being aluminum (Al), and unavoidable contaminants not exceeding 0.2% by weight silicon (Si).

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C22C 21/06

IPC 8 full level
C22C 21/08 (2006.01); **B23K 35/28** (2006.01); **C22C 21/06** (2006.01)

CPC (source: EP US)
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