

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).

IPC 1-7
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)
C22C 21/06 (2013.01 - EP US)

Designated contracting state (EPC)
AT DE ES FR GB IT SE

DOCDB simple family (publication)
US 6315948 B1 20011113; AT E216735 T1 20020515; CA 2306726 A1 20000302; CA 2306726 C 20080729; CN 1107120 C 20030430; CN 1274391 A 20001122; DE 19838015 A1 20000302; DE 19838015 C2 20021017; DE 59901293 D1 20020529; EP 1025270 A1 20000809; EP 1025270 B1 20020424; ES 2173759 T3 20021016; JP 2002523621 A 20020730; RU 2226567 C2 20040410; WO 0011231 A1 20000302

DOCDB simple family (application)
US 53006700 A 20001017; AT 99952346 T 19990810; CA 2306726 A 19990810; CN 99801195 A 19990810; DE 19838015 A 19980821; DE 59901293 T 19990810; DE 9902491 W 19990810; EP 99952346 A 19990810; ES 99952346 T 19990810; JP 2000566481 A 19990810; RU 2000112645 A 19990810