

Title (en)

WELDABLE, CORROSION-RESISTANT AlMg ALLOYS, ESPECIALLY FOR MANUFACTURING MEANS OF TRANSPORTATION

Title (de)

SCHWEISSBARE, KORROSIONSBESTÄNDIGE AlMg-LEGIERUNGEN, INSBESONDERE FÜR DIE VERKEHRSTECHNIK

Title (fr)

ALLIAGES ALUMINIUM-MAGNESIUM SOUDABLES, RESISTANT A LA CORROSION, EN PARTICULIER POUR LA PRODUCTION DE MOYENS DE TRANSPORT

Publication

**EP 1027466 A2 20000816 (DE)**

Application

**EP 99952401 A 19990814**

Priority

- DE 9902549 W 19990814
- DE 19838017 A 19980821

Abstract (en)

[origin: DE19838017A1] The invention relates to weldable, corrosion-resistant aluminum-magnesium alloys consisting at least of 3-5 % by weight magnesium (Mg), 0.05-0.15 % by weight zirconium (Zr), 0.05-0.12 % by weight manganese (Mn), 0.01-0.2 % by weight titanium (Ti), 0.05-0.5 % by weight of one or more elements of the group consisting of scandium and/or terbium (Tb), wherein at least scandium is contained, in addition to aluminum and inevitable impurities with a maximum of 0.2 % by weight silicon (Si).

IPC 1-7

**C22C 1/00**

IPC 8 full level

**B23K 35/28** (2006.01); **C22C 1/00** (2006.01); **C22C 21/00** (2006.01); **C22C 21/06** (2006.01); **C22C 21/08** (2006.01)

CPC (source: EP US)

**C22C 21/00** (2013.01 - EP US)

Citation (search report)

See references of WO 0011229A2

Cited by

WO2009030194A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 19838017 A1 20000302**; **DE 19838017 C2 20030618**; CA 2306892 A1 20000302; CA 2306892 C 20080219; CN 1103828 C 20030326; CN 1275172 A 20001129; CZ 20001446 A3 20011212; DE 59907283 D1 20031113; EP 1027466 A2 20000816; EP 1027466 B1 20031008; JP 2003526733 A 20030909; RU 2226566 C2 20040410; US 6258318 B1 20010710; WO 0011229 A2 20000302; WO 0011229 A3 20000518

DOCDB simple family (application)

**DE 19838017 A 19980821**; CA 2306892 A 19990814; CN 99801414 A 19990814; CZ 20001446 A 19990814; DE 59907283 T 19990814; DE 9902549 W 19990814; EP 99952401 A 19990814; JP 2000566479 A 19990814; RU 2000112644 A 19990814; US 53006800 A 20000614