

Title (en)

WELDABLE ANTI-CORROSIVE ALUMINIUM-MAGNESIUM ALLOY CONTAINING A HIGH AMOUNT OF MAGNESIUM, ESPECIALLY FOR USE IN AVIATION

Title (de)

SCHWEISSBARE, KORROSIONSBESTÄNDIGE HOCHMAGNESIUMHALTIGE ALUMINIUM-MAGNESIUM-LEGIERUNG, INSBESONDERE FÜR LUFTFAHRTANWENDUNG

Title (fr)

ALLIAGE ALUMINIUM-MAGNESIUM SOUDABLE, A HAUTE TENEUR EN MAGNESIUM, RESISTANT A LA CORROSION, DESTINE NOTAMMENT A DES APPLICATIONS DANS L'AERONAUTIQUE

Publication

EP 1029097 B1 20050706 (DE)

Application

EP 99952347 A 19990810

Priority

- DE 9902492 W 19990810
- DE 19838018 A 19980821

Abstract (en)

[origin: DE19838018A1] A weldable anti-corrosive aluminium-magnesium alloy containing a high amount of magnesium comprising at least 5-6 wt. % magnesium (Mg), 0.05-0.15 wt. % zirconium (Zr), 0.05-0.12 wt. % manganese (Mn), 0.01-0.2 wt. % titanium (Ti), 0.05-0.5 wt. % of one or several elements from the scandium group and/or terbium (Tb), whereby at least scandium (Sc) is contained, 0.1-0.2 wt. % copper (Cu) and/or 0.1-0.4 wt. % zinc (Zn) in addition to aluminium (Al) and unavoidable impurities with a maximum of 0.1 wt. % silicon.

IPC 1-7

C22C 21/06; **B23K 35/28**

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)

DE ES FR GB IT

DOCDB simple family (publication)

DE 19838018 A1 20000302; **DE 19838018 C2 20020725**; CA 2306912 A1 20000302; CA 2306912 C 20081223; CN 1103827 C 20030326; CN 1274392 A 20001122; DE 59912240 D1 20050811; EP 1029097 A1 20000823; EP 1029097 B1 20050706; ES 2242427 T3 20051101; JP 2002523622 A 20020730; RU 2226565 C2 20040410; US 6531004 B1 20030311; WO 0011232 A1 20000302

DOCDB simple family (application)

DE 19838018 A 19980821; CA 2306912 A 19990810; CN 99801242 A 19990810; DE 59912240 T 19990810; DE 9902492 W 19990810; EP 99952347 A 19990810; ES 99952347 T 19990810; JP 2000566482 A 19990810; RU 2000112642 A 19990810; US 53000700 A 20001018