

Title (en)

DISPERSION STRENGTHENED MECHANICALLY-ALLOYED ALUMINIUM-BASED ALLOY

Publication

EP 0079749 A3 19840425 (EN)

Application

EP 82305956 A 19821109

Priority

US 32047981 A 19811112

Abstract (en)

[origin: EP0079749A2] A dispersion strengthened mechanically alloyed Al-Cu-Mg alloy is provided characterised by a combination of high tensile yield strength in the transverse direction, superior resistance to stress corrosion cracking at high strength, good fracture toughness and good ductility.

IPC 1-7

C22C 1/10; B22F 9/04; C22C 32/00

IPC 8 full level

C22C 21/06 (2006.01); **C22C 21/12** (2006.01); **C22C 32/00** (2006.01)

CPC (source: EP)

C22C 32/00 (2013.01); **C22C 32/0036** (2013.01)

Citation (search report)

- [A] FR 2038523 A5 19710108 - KOVRIZHNYKH VITALY, et al
- [A] DE 2431646 A1 19760122 - MAHLE GMBH
- [A] DE 2253282 B1 19730816

Cited by

EP0194700A3; GB2267912A; US8728256B2; WO2011023059A1

Designated contracting state (EPC)

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