

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)  
AT DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0079749 A2 19830525; EP 0079749 A3 19840425**; JP S58136738 A 19830813

DOCDB simple family (application)  
**EP 82305956 A 19821109**; JP 19689082 A 19821111