

Title (en)
Aluminium alloy for components.

Title (de)
Aluminiumlegierung für Bauteile.

Title (fr)
Alliage d'aluminium pour pièces.

Publication
EP 0430923 A1 19910605 (DE)

Application
EP 90890296 A 19901106

Priority
AT 272989 A 19891130

Abstract (en)
Aluminium alloy for components which undergo a high degree of plastic deformation, the said alloy containing less than 0.8% of iron, less than 4.7% of magnesium, between 0.1 and 0.2% of manganese, less than 0.2% of zirconium, less than 0.1% of copper, less than 0.95% of silicon, less than 0.05% of titanium, between 0.06 and 0.15% of chromium and aluminium of conventional purity as the remainder.

Abstract (de)
Aluminiumlegierung für Bauteile, die eine hohe plastische Umformung erfahren, wobei sie weniger als 0,8% Eisen, weniger als 4,7% Magnesium, Mangan zwischen 0,1 und 0,2%, Zirkon weniger als 0,2%, Kupfer unter 0,1%, Silizium unter 0,95%, Titan unter 0,05%, Chrom zwischen 0,06 und 0,15%, sowie als Rest Aluminium herkömmlicher Reinheit enthält.

IPC 1-7
C22C 21/06; **C22F 1/047**

IPC 8 full level
C22C 21/06 (2006.01); **C22F 1/047** (2006.01)

CPC (source: EP)
C22C 21/06 (2013.01); **C22F 1/047** (2013.01)

Citation (search report)

- [A] GB 2135694 A 19840905 - MITSUBISHI ALUMINIUM
- [A] DE 2353842 A1 19750430 - KAISER ALUMINIUM CHEM CORP
- [A] GB 1344249 A 19740116 - OLIN CORP
- [X] PATENT ABSTRACTS OF JAPAN, Band 7, Nr. 181 (C-180)[1326], 10. August 1983; & JP-A-58 87 237 (MITSUBISHI ALUMINIUM K.K.) 25-05-1983
- [A] PATENT ABSTRACTS OF JAPAN, Band 10, Nr. 107 (C-341)[2169], 22. April 1986; & JP-A-60 238 461 (KOBE SEIKOSHO K.K.) 27-11-1985
- [A] W. HUFNAGEL: "Aluminium Taschenbuch", Ausgabe 14, 1983, Seiten 44-45, 1011-1018, Aluminium Verlag, Düsseldorf, DE
- [A] AMERICAN SOCIETY FOR METALS: "Metal Handbook", Ausgabe 9, Band 2, 1979, Seiten 104-112, Society for Metals, Ohio, US
- [A] K.R. VAN HORN: "Aluminium", Band 2, 1967, Seiten 343-366, Kapitel 15, American Society for Metals, Ohio, US; W.C. KEITH et al.: "Automotive applications outside the engine"

Cited by
WO2005103313A1

Designated contracting state (EPC)
AT CH DE FR GB LI NL

DOCDB simple family (publication)
EP 0430923 A1 19910605; AT 394580 B 19920511; AT A272989 A 19911015

DOCDB simple family (application)
EP 90890296 A 19901106; AT 272989 A 19891130