

Title (en)

Aluminum alloy useful in powder metallurgy process.

Title (de)

Aluminium-Legierung, verwendbar im Pulvermetallurgieverfahren.

Title (fr)

Alliage d'aluminium utile pour les procédés de la métallurgie de poudres.

Publication

EP 0366134 B1 19940119

Application

EP 89119912 A 19891026

Priority

- JP 25432489 A 19890928
- JP 26561089 A 19891011
- JP 27216788 A 19881027

Abstract (en)

[origin: EP0366134A1] The present invention provides an aluminum alloy consisting essentially of (a) 5 to 30% by weight of Si, (b) 0.5 to 10% by weight of at least one species selected from the group consisting of Fe, Ni, Cr and Mn with the proviso that the total amount of these species cannot exceed 20% by weight, (c) 0.3 to 3% by weight of at least one species selected from the group consisting of Mo, Zr, V and Ti with the proviso that the total amount of these species cannot exceed 5% by weight, and (d) aluminum in a remaining amount. An aluminium alloy product produced by extruding said alloy is excellent in strength at high temperatures and resistance to creep.

IPC 1-7

C22C 1/04; **C22C 21/02**

IPC 8 full level

C22C 1/04 (2006.01); **C22C 21/02** (2006.01)

CPC (source: EP)

C22C 1/0416 (2013.01); **C22C 21/02** (2013.01)

Citation (examination)

EP 0341714 A1 19891115 - SUMITOMO ELECTRIC INDUSTRIES [JP], et al

Cited by

CN111534727A; FR2690927A1; US5614036A; CN107034391A; US6030577A; US6086819A; US5409661A; US5374295A; EP0561204A3; US6136106A; US5464463A; CN111051549A; US11597984B2; WO2006042509A1; WO9709459A1; WO2018185259A1; WO9709458A1; WO9709457A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0366134 A1 19900502; **EP 0366134 B1 19940119**

DOCDB simple family (application)

EP 89119912 A 19891026