

Title (en)

Zinc alloy for production of high quality pieces

Title (de)

Zinklegierung zur Herstellung von Teilen hoher Qualität

Title (fr)

Alliage de zinc permettant la réalisation de pièces de haute qualité

Publication

**EP 1029936 A1 20000823 (FR)**

Application

**EP 99403171 A 19991216**

Priority

FR 9815904 A 19981216

Abstract (en)

[origin: FR2787470A1] Zinc-aluminum-copper-magnesium alloy, has a relatively high copper content and relatively low aluminum and magnesium content. A novel zinc alloy has the composition (by wt.) 1.8-2.2% Al, 1.5-3.9% Cu, 0.02-0.06% Mg, balance Zn and impurities. Independent claims are also included for the following: (i) a method of producing parts by hot chamber pressure die casting of the above alloy; and (ii) parts produced by hot chamber pressure die casting of the above alloy.

Abstract (fr)

L'invention concerne un alliage de zinc comprenant en pourcentages massiques : Al : 1.8-2.2%, Cu : 1.5-3.9%, Mg : 0.02-0.06 % le reste étant constitué de zinc, avec les impuretés usuelles inévitablement présentes dans les métaux précités. <IMAGE>

IPC 1-7

**C22C 18/02**; **C22C 18/04**

IPC 8 full level

**B22D 17/04** (2006.01); **C22C 18/02** (2006.01); **C22C 18/04** (2006.01)

CPC (source: EP)

**B22D 17/04** (2013.01); **C22C 18/02** (2013.01); **C22C 18/04** (2013.01)

Citation (search report)

- [A] FR 2093821 A5 19720128 - SENJU METAL INDUSTRY CO
- [A] SU 212782 A1 19680229
- [A] FR 2102861 A5 19720407 - NISSO SMELTING CO LTD
- [A] US 2467956 A 19490419 - HYMAN BIERMAN
- [A] US 2899304 A 19590811
- [A] GB 462052 A 19370222 - APEX SMELTING COMPANY

Cited by

CN104073686A; CN111549257A

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**FR 2787470 A1 20000623**; **FR 2787470 B1 20020125**; DE 69906245 D1 20030430; EP 1029936 A1 20000823; EP 1029936 B1 20030326

DOCDB simple family (application)

**FR 9815904 A 19981216**; DE 69906245 T 19991216; EP 99403171 A 19991216