

Title (en)
MAGNESIUM-BASED ALLOY

Title (de)
MAGNESIUM-BASISLEGIERUNG

Title (fr)
ALLIAGE À BASE DE MAGNÉSIUM

Publication
EP 2021521 A1 20090211 (DE)

Application
EP 07718397 A 20070419

Priority
• AT 2007000181 W 20070419
• AT 8692006 A 20060519

Abstract (en)
[origin: WO2007134345A1] The invention relates to a magnesium-based alloy and to a semifinished part having a uniformly small grain size and a good cold forming capability which is produced therefrom. To produce a fine-grained slug whose material is highly formable (deep-drawable) at elevated temperature and at room temperature and has desired corrosion properties from a cast block, the invention provides a magnesium-based alloy (L1, L2) containing, in percent by weight, zinc (Zn) more than 0.8, but less than 6.2, zirconium (Zr) traces, but less than 1.0, manganese (Mn) more than 0.04, but less than 0.6, calcium (Ca) more than 0.04, but less than 2.0, silicon (Si) traces, but less than 1.0, antimony (Sb) traces, but less than 0.5, silver (Ag) more than 0.1, but less than 2.0, with magnesium and impurities due to production as balance.

IPC 8 full level
C22C 23/04 (2006.01)

CPC (source: EP US)
C22C 23/04 (2013.01 - EP US); **C22F 1/06** (2013.01 - EP US)

Citation (search report)
See references of WO 2007134345A1

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