

Title (en)

Method of making motor vehicle parts

Title (de)

Verfahren zum Herstellen von Kfz-Bauteilen

Title (fr)

Méthode de fabrication des éléments de véhicule automobile

Publication

EP 1321204 A3 20050309 (DE)

Application

EP 02027172 A 20021205

Priority

DE 10162441 A 20011219

Abstract (en)

[origin: EP1321204A2] Production of vehicle components, especially gear parts, chassis parts, drive parts and engine parts, made from aluminum or aluminum alloys comprises: forming an intermediate or final mold from a starting mold in a deforming tool; and tempering to control the material flow in the solidification process by introducing and/or removing heat. <??>Preferred Features: A heated and/or cooled starting mold is used. The starting mold is a metal plate, a hollow green body or a semi-finished material, such as a tube. The starting mold is made from an aluminum magnesium alloy containing 3-5 wt.% magnesium (Mg), up to 0.2 wt.% zirconium (Zr), up to 0.15 wt.% manganese (Mn), up to 0.3 wt.% titanium (Ti) and a balance of aluminum (Al).

IPC 1-7

B21D 26/02; **B21J 5/04**

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CPC (source: EP)

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Citation (search report)

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- [X] DE 19614656 A1 19971016 - AUDI AG [DE], et al
- [A] CH 673603 A5 19900330 - ALUSUISSE
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 507 (M - 1327) 20 October 1992 (1992-10-20)

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