

Title (en)

HEAT RESISTANT MAGNESIUM DIE CASTING ALLOYS

Title (de)

WÄRMEBESTÄNDIGE DRUCKGUSS-MAGNESIUMLEGIERUNGEN

Title (fr)

ALLIAGES DE MOULAGE MECANIQUE DE MAGNESIUM RESISTANT A LA CHALEUR

Publication

**EP 1685267 A1 20060802 (EN)**

Application

**EP 04788132 A 20040916**

Priority

- JP 2004013974 W 20040916
- JP 2003326563 A 20030918
- JP 2004150393 A 20040520

Abstract (en)

[origin: WO2005028691A1] A heat resistant magnesium die casting alloy simultaneously improved in heat resistance and castability and expanded in range of application is provided. It comprises, includes, by wt %, the following composition: Al: over 6 % to not more than 10 %, Ca: 1.8 to 5 %, Sr: 0.05 to 1.0 %, Mn: 0.1 to 0.6 %, and Bal: Mg and unavoidable impurities, the ratio Ca/Al of the Ca content to the Al content being 0.3 to 0.5. To improve the corrosion resistance, 0.1 to 3 % of a RE may also be added.

IPC 8 full level

**B22D 21/04** (2006.01); **C22C 23/02** (2006.01); **B22D 17/00** (2006.01)

CPC (source: EP KR US)

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