

Title (en)  
Heat resistant magnesium alloy

Title (de)  
Hitzebeständige Magnesiumlegierung

Title (fr)  
Alliage à base de magnésium résistant à la chaleur

Publication  
**EP 0661384 B1 19970402 (EN)**

Application  
**EP 94108544 A 19940603**

Priority  
JP 30403193 A 19931203

Abstract (en)  
[origin: EP0661384A1] A magnesium alloy includes 1.0 to 3.0% by weight of Al ("a"), 0.25 to 3.0% by weight of Zn ("b") and 0.5 to 4.0% by weight of R.E.: wherein when "b" is in a range,  $0.25 \leq "b" \leq 1.0$ , "a" and "c" satisfy a relationship,  $"c" \leq "a" + 1.0$ ; and when "b" is in a range,  $1.0 \leq "b" \leq 3.0$ , "a," "b" and "c" satisfy a relationship,  $"c" \leq "a" + "b" \leq (1/2)"c" + 4.0$ ; in order to further improve creep properties at elevated temperatures while maintaining enhanced tensile strength at room temperature and up to 100 DEG C at least. <IMAGE>

IPC 1-7  
**C22C 23/00**; **C22C 23/02**; **C22C 23/04**; **C22C 23/06**

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CPC (source: EP)  
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