

Title (en)
Maraging steel.

Title (de)
Martensitaushärtbarer Stahl.

Title (fr)
Acier maraging.

Publication
EP 0395623 A1 19901031 (DE)

Application
EP 90890088 A 19900327

Priority
AT 96489 A 19890424

Abstract (en)
Maraging steel, in particular for the production of plastic moulds, which consists of 0.06 - 0.2% by weight of carbon 0.15 - 0.8% by weight of silicon 1.4 - 3.6% by weight of manganese 0.12 - 0.4% by weight of sulphur 0 - 0.9% by weight of chromium 2.8 - 3.4% by weight of nickel 0.03 - 0.15% by weight of vanadium 0.1 - 4.0% by weight of copper 0.1 - 4.0% by weight of aluminium 0.9 - 4.1% by weight of aluminium + copper 0.03 - 0.12% by weight of niobium 0.01 - 0.1% by weight of zirconium 0 - 0.1% by weight of calcium 0.01 - 0.1% by weight of titanium 0 - 1.0% by weight of molybdenum 0 - 1.0% by weight of tungsten 0 - 1.5% by weight of Mo + W W DIVIDED 2 the remainder being iron and impurities resulting from the production.

Abstract (de)
Martensitaushärtbarer Stahl, insbesondere für die Herstellung von Kunststoffformen, welcher aus in Gew.-% Kohlenstoff 0,06 - 0,2 Silizium 0,15 - 0,8 Mangan 1,4 - 3,6 Schwefel 0,12 - 0,4 Chrom 0 - 0,9 Nickel 2,8 - 4,3 Vanadin 0,03 - 0,15 Kupfer 0,1 - 4,0 Aluminium 0,1 - 4,0 Aluminium + Kupfer 0,9 - 4,1 Niob 0,03 - 0,12 Zirkon 0,01 - 0,1 Kalzium 0 - 0,01 Titan 0,01 - 0,1 Molybdän 0 - 1,0 Wolfram 0 - 1,0 Mo + (W/2) 0 - 1,5 Rest Eisen und herstellungsbedingten Verunreinigungen besteht.

IPC 1-7
C22C 38/04; **C22C 38/06**; **C22C 38/08**; **C22C 38/16**; **C22C 38/60**

IPC 8 full level
C22C 38/00 (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/08** (2006.01); **C22C 38/16** (2006.01); **C22C 38/58** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP KR US)
C22C 38/04 (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/08** (2013.01 - EP KR US); **C22C 38/16** (2013.01 - EP US); **C22C 38/60** (2013.01 - EP US)

Citation (search report)

- [X] US 3824096 A 19740716 - ASADA C, et al
- [A] US 2715576 A 19550816 - PETER PAYSON, et al
- [A] FR 2189182 A1 19740125 - STORA KOPPARBERGS BERGSLAGS AB [SE]

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