

Title (en)
Cobalt-free maraging steel

Title (de)
Martensit-aushärtender Stahl ohne Kobalt

Title (fr)
Acier maraging sans cobalt

Publication
EP 0931844 B1 20020522 (FR)

Application
EP 98403247 A 19981222

Priority
FR 9800694 A 19980123

Abstract (en)
[origin: EP0931844A1] A cobalt-free maraging steel, having specified nickel, molybdenum, titanium, aluminum and carbon contents, is new. A new cobalt-free maraging steel has the composition (by wt.) 18-23% Ni, 4.5-8% Mo, 1-2% Ti, 0-0.3% Al, $\leq 0.01\%$ C, balance Fe and impurities, the sum of Ni + Mo being $\leq 27\%$ and the sum of Ni + 3 x Mo + 20 x Ti + 10 x Al being $\geq 60\%$.

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C22C 38/08

IPC 8 full level
C22C 38/00 (2006.01); **C21D 8/02** (2006.01); **C22C 38/06** (2006.01); **C22C 38/08** (2006.01); **C22C 38/12** (2006.01); **C22C 38/14** (2006.01)

CPC (source: EP US)
C21D 8/0205 (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/08** (2013.01 - EP US); **C22C 38/12** (2013.01 - EP US);
C22C 38/14 (2013.01 - EP US); **C21D 8/0236** (2013.01 - EP US)

Cited by
FR2816959A1; EP1243812A1; US6663730B2; US6869376B2; WO0240722A1

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DE ES FR GB IT

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