

Title (en)

High-strength steel and applications for such steel

Title (de)

Hochfester Stahl und Verwendungen eines solchen Stahls

Title (fr)

Acier à haute résistance et utilisations d'un tel acier

Publication

EP 1905857 B1 20130814 (DE)

Application

EP 07116927 A 20070921

Priority

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Abstract (en)

[origin: EP1905857A2] Steel with a high tensile strength comprises (in wt.%) carbon (0.15-0.3); silicon (0.1-0.5); manganese (0.6-1.8); chromium (1-1.8); molybdenum (0.10-0.50); nickel (up to 0.50); niobium (0.030-0.150); titanium (0.020-0.060); aluminum (0.010-0.060); nitrogen (0.009-0.030); phosphorus (less than 0.030); sulfur (less than 0.030); and rest of iron and unavoidable impurities.

IPC 8 full level

C22C 38/18 (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/06** (2006.01); **C22C 38/22** (2006.01); **C22C 38/26** (2006.01); **C22C 38/28** (2006.01); **C22C 38/38** (2006.01)

CPC (source: EP)

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Cited by

CN110359007A; CN105063514A; CN113699437A; DE102016108633A1; CN105543678A; CN112626308A; CN112795854A; EP3231879A4; US11111554B2; US10995382B2; WO2010046475A1; WO2020058269A1

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