

Title (en)

Alloy steel for sliding surfaces

Title (de)

Stahllegierung für Gleitelemente

Title (fr)

Acier allié pour surfaces de glissement

Publication

EP 0957181 B1 20020508 (DE)

Application

EP 99103843 A 19990227

Priority

DE 19808276 A 19980227

Abstract (en)

[origin: US6235237B1] A chromium steel alloy with 0.2 to 0.65% of carbon, 12.0 to 20.0% of chromium, 0.3 to 5.0% of molybdenum, 0.02 to 0.4% of nitrogen, up to 2% of manganese, up to 1.4% of silicon, up to 2% of nickel, up to 0.5% of copper, up to 0.2% of vanadium and/or niobium and up to 0.1% of aluminum, the remainder being iron including impurities resulting from smelting, is suitable as a material for gliding elements of sports equipment, in particular winter sports equipment.

IPC 1-7

C22C 38/22; **C22C 38/00**; **A63C 5/048**

IPC 8 full level

C21D 1/25 (2006.01); **C21D 9/20** (2006.01); **C22C 38/22** (2006.01)

CPC (source: EP US)

C21D 1/25 (2013.01 - EP US); **C21D 9/20** (2013.01 - EP US); **C22C 38/22** (2013.01 - EP US)

Designated contracting state (EPC)

AT FR

DOCDB simple family (publication)

US 6235237 B1 20010522; AT E217361 T1 20020515; DE 19808276 A1 19990909; DE 19808276 C2 20031224; EP 0957181 A1 19991117; EP 0957181 B1 20020508

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US 25739599 A 19990225; AT 99103843 T 19990227; DE 19808276 A 19980227; EP 99103843 A 19990227