

Title (en)

Age-hardenable martensitic steel.

Title (de)

Martensitaushärtbarer Stahl.

Title (fr)

Acier martensitique à durcissement par vieillissement.

Publication

**EP 0257262 A1 19880302 (DE)**

Application

**EP 87109961 A 19870710**

Priority

DE 3628395 A 19860821

Abstract (en)

[origin: US4788034A] A martensite steel, especially for plastic molds, of the following compositions: 0.001 to 0.1% carbon 0.50 to 2.0% silicon 8.0 to 14.0% manganese 0.3 to 5.0% titanium 0.001 to 1.0% aluminum 0 to 2.0% chromium 0 to 3.0% molybdenum 0 to 4.0% nickel 0 to 4.0% tungsten 0 to 5.0% cobalt remainder iron, including impurities caused by manufacture.

Abstract (de)

Die Erfindung betrifft einen martensitaushärtenden Stahl, insbesondere für Kunststoffformen, folgender Zusammensetzung: 0,001 bis 0,1% Kohlenstoff 0,50 bis 2,0% Silizium 8,0 bis 14,0% Mangan 0,3 bis 5,0% Titan 0,001 bis 1,0% Aluminium 0 bis 2,0% Chrom 0 bis 3,0% Molybdän 0 bis 4,0% Nickel 0 bis 4,0% Wolfram 0 bis 5,0% Cobalt Rest Eisen, einschliesslich herstellungsbedingter Verunreinigungen.

IPC 1-7

**C22C 38/04**

IPC 8 full level

**C22C 38/04** (2006.01)

CPC (source: EP US)

**C22C 38/04** (2013.01 - EP US)

Citation (search report)

- [X] DD 101702 A1 19731112
- [X] GB 1036442 A 19660720 - BRITISH IRON STEEL RESEARCH
- [A] DE 1558638 A1 19700702 - SOUTHERN RES INST
- [A] DE 963782 C 19570516 - PHOENIX RHEINROHR AG

Cited by

EP3202427A1; US10751446B2; WO9734021A1; WO2017134209A1; EP3719158B1

Designated contracting state (EPC)

AT FR GB IT SE

DOCDB simple family (publication)

**EP 0257262 A1 19880302; EP 0257262 B1 19910123; AT E60370 T1 19910215; DE 3628395 C1 19880303; US 4788034 A 19881129**

DOCDB simple family (application)

**EP 87109961 A 19870710; AT 87109961 T 19870710; DE 3628395 A 19860821; US 8785387 A 19870821**