

Title (en)

Alloy containing chromium for punching plates and counter plates.

Title (de)

Chromhaltige Legierung für Stanz- und Gegenplatten.

Title (fr)

Alliage au chrome pour plaques à étamper et à contre-plaquer.

Publication

**EP 0207052 A1 19861230 (DE)**

Application

**EP 86890138 A 19860514**

Priority

AT 152985 A 19850521

Abstract (en)

[origin: US4880481A] Punch and counter punch plates are fabricated from chromium containing alloys, essentially consisting of, each in percent by weight, carbon in the range of 0 to 1.1, silicon in a maximum of 1.0, manganese in a maximum of 1.5, chromium in the range of 11.0 to 17.5, molybdenum in the range of 0 to 1.5, nickel in the range of 0.35 to 10.0, copper in the range of 0 to 4.5, vanadium in the range of 0 to 0.5, cobalt in the range of 0 to 1.5, niobium in the range of 0 to 0.45, titanium in the range of 0 to 1.5, nitrogen in the range of 0 to 0.1, the remainder being iron and impurities resulting from the manufacturing conditions.

Abstract (de)

Die Erfindung betrifft eine chromhaltige Legierung für Stanz- und Gegenplatten, mit einem Gehalt in Gew.-% <IMAGE> Rest Eisen und herstellungsbedingte Verunreinigungen.

IPC 1-7

**C22C 38/42; C22C 38/18; C22C 38/24; C22C 38/48**

IPC 8 full level

**C22C 38/00** (2006.01); **B30B 15/02** (2006.01); **C22C 38/18** (2006.01); **C22C 38/24** (2006.01); **C22C 38/42** (2006.01); **C22C 38/48** (2006.01); **C22C 38/52** (2006.01)

CPC (source: EP KR US)

**C22C 38/18** (2013.01 - EP US); **C22C 38/24** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP US); **C22C 38/52** (2013.01 - KR)

Citation (search report)

- [X] DE 2018938 A1 19701119
- [Y] DE 1927461 A1 19691204 - UDDEHOLMS AB
- [A] DE 2129959 A1 19711223 - UDDEHOLMS AB
- [A] GB 2071147 A 19810916 - ARMCO INC

Cited by

EP1164002A3; EP0338133A3; CN109536854A

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

**EP 0207052 A1 19861230; EP 0207052 B1 19900801**; AT 392485 B 19910410; AT A152985 A 19900915; CA 1279211 C 19910122; DE 3673087 D1 19900906; JP 2729790 B2 19980318; JP S61266554 A 19861126; KR 860009153 A 19861220; KR 930009982 B1 19931013; US 4880481 A 19891114

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**EP 86890138 A 19860514**; AT 152985 A 19850521; CA 509481 A 19860520; DE 3673087 T 19860514; JP 10783386 A 19860513; KR 860003786 A 19860515; US 16701888 A 19880311