

Title (en)

STEEL ALLOY, HOLDERS AND HOLDER DETAILS FOR PLASTIC MOULDING TOOLS, AND TOUGH HARDENED BLANKS FOR HOLDERS AND HOLDER DETAILS

Title (de)

STAHLLEGIERUNG, HALTER UND HALTEREINZELTEILE FÜR KUNSTSTOFF-FORMWERKZEUGE UND VERGÜTETE ROHLINGE FÜR HALTER UND HALTEREINZELTEILE

Title (fr)

ACIER ALLIE, SUPPORTS ET ELEMENTS SUPPORTS POUR OUTILS A MOULURE DE MATIERE PLASTIQUE, ET EBAUCHES RENDUES TENACES PAR TREMPAGE POUR CES SUPPORTS ET ELEMENTS SUPPORTS

Publication

EP 1341944 B1 20070214 (EN)

Application

EP 01270634 A 20011122

Priority

- SE 0102576 W 20011122
- SE 0004586 A 20001211

Abstract (en)

[origin: WO0248418A1] A steel alloy suitable for holders and holder details for plastic moulding tools contains in weight-%: 0.06 - 0.15 C, 0.07 - 0.22 N, wherein the total amount of C + N shall satisfy the condition, $0.16 \leq C + N \leq 0.26$, 0.1 - 1.0 Si, 0.1 - 2.0 Mn, 12.5 - 14.5 Cr, 0.8 - 2.5 Ni, 0.1 1.5 Mo, optionally vanadium up to max. 0.7 V, optionally, in order to improve the machinability of the steel, one or more of the elements S, Ca and O in amounts up to max. 0.25 S, max. 0.01 (100 ppm) Ca, max. 0.01 (100 ppm) O, balance iron and unavoidable impurities.

IPC 8 full level

C22C 38/18 (2006.01); **C22C 33/02** (2006.01); **C22C 38/00** (2006.01); **C22C 38/40** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01);
C22C 38/60 (2006.01)

CPC (source: EP KR US)

C22C 33/0264 (2013.01 - EP US); **C22C 38/18** (2013.01 - KR); **C22C 38/44** (2013.01 - EP US); **C22C 38/46** (2013.01 - EP US);
C22C 38/60 (2013.01 - EP US); **B22F 2998/10** (2013.01 - EP US)

C-Set (source: EP US)

1. **B22F 2998/10 + B22F 9/082 + B22F 3/15**
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DE 60126646 D1 20070329; DE 60126646 T2 20071031; EP 1341944 A1 20030910; EP 1341944 B1 20070214; ES 2280304 T3 20070916;
HK 1060157 A1 20040730; HU 228284 B1 20130228; HU P0301825 A2 20030929; HU P0301825 A3 20051028; JP 2004515654 A 20040527;
JP 4030872 B2 20080109; KR 100831823 B1 20080528; KR 20030051904 A 20030625; MX PA03005136 A 20031204; PL 196489 B1 20080131;
PL 361985 A1 20041018; PT 1341944 E 20070430; SE 0004586 D0 20001211; SE 0004586 L 20020612; SE 518023 C2 20020820;
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CA 2425893 A 20011122; CN 01819661 A 20011122; DE 60126646 T 20011122; EP 01270634 A 20011122; ES 01270634 T 20011122;
HK 04102941 A 20040427; HU P0301825 A 20011122; JP 2002550129 A 20011122; KR 20037007737 A 20030610;
MX PA03005136 A 20011122; PL 36198501 A 20011122; PT 01270634 T 20011122; SE 0004586 A 20001211; TW 90126517 A 20011026;
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