

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 A1 20030910 (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 1-7
C22C 38/18; **C22C 38/40**; **C22C 38/44**; **C22C 33/02**

IPC 8 full level
C22C 33/02 (2006.01); **C22C 38/00** (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**
2. **B22F 2998/10** + **B22F 9/082** + **B22F 3/115**

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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