

Title (en)
Hot-work tool-steel article

Title (de)
Warmarbeitsstahlgegenstand

Title (fr)
Article d'acier à outil pour travail à chaud

Publication
EP 1300482 B1 20051221 (DE)

Application
EP 02450181 A 20020827

Priority
AT 15652001 A 20011003

Abstract (en)
[origin: EP1300482A1] Heat-deviating steel object is made from a composition containing (in wt.%): 0.451-0.598 carbon, 0.11-0.29 silicon, 0.11-0.39 manganese, 4.21-4.98 chromium, 2.81-3.29 molybdenum, 0.41-0.69 vanadium and a balance of iron and impurities. The object has a hardness of at least 58 HRC at an impact bending force of at least 170 J and a notched bar impact work of at least 11 J. <??>Preferred Features: The ratio of the concentration of vanadium to carbon is 0.82-1.38. The ratio of chromium + molybdenum + vanadium is 15.2 to 18.4.

IPC 1-7
C22C 38/18; **C22C 38/22**; **C22C 38/24**

IPC 8 full level
C21D 6/00 (2006.01); **C22C 38/00** (2006.01); **C22C 38/22** (2006.01); **C22C 38/24** (2006.01); **C22C 38/60** (2006.01); **C21D 1/18** (2006.01)

CPC (source: EP US)
C22C 38/22 (2013.01 - EP US); **C22C 38/24** (2013.01 - EP US); **C21D 1/18** (2013.01 - EP US)

Cited by
EP2196553A1; DE102018113600A1; EP2194155A1; AU2009240807B2; EP1511872B1; US9328405B2; US8557056B2; EP3228724A1; EP3050986B1; EP2621653B1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

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