

Title (en)
Forging and a method for its manufacture

Title (de)
Schmiedestück und Verfahren zur seiner Herstellung

Title (fr)
Pièce forgée et procédé pour sa fabrication

Publication
EP 0586179 B1 19981111 (EN)

Application
EP 93306710 A 19930824

Priority
FI 923929 A 19920902

Abstract (en)
[origin: EP0586179A1] An improved forging with favourable strength features and toughness is produced of a material which in addition to iron and incidental impurities consists of the following elements in percent by weight: C from 0.04 to 0.14 Si from 0.05 to 0.50 Mn from 0.6 to 1.0 Cr from 1.0 to 2.0 Mo from 0.04 to 0.25 S from 0 to 0.15 Al from 0 to 0.1 B from 0 to 0.015 Ti from 0 to 0.05 The billet is forged within a temperature range of 800 DEG C to 1300 DEG C and that the billet, which has then become a forging, is quenched immediately after the forging procedure. Water or a water-based emulsion or solution is generally used for the quenching.

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C22C 38/22; **C21D 1/02**

IPC 8 full level
C21D 1/02 (2006.01); **C21D 7/13** (2006.01); **C22C 38/22** (2006.01); **C21D 1/60** (2006.01)

CPC (source: EP)
C21D 1/02 (2013.01); **C21D 7/13** (2013.01); **C22C 38/22** (2013.01); **C21D 1/60** (2013.01)

Citation (examination)
WEGST: "STAHLSCHLÜSSEL", VERLAG STAHLSCHLÜSSEL, PP. 58-61

Cited by
CN111057933A; US8377238B2; WO2008037327A1

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