

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 A1 19940309 (EN)**

Application

**EP 93306710 A 19930824**

Priority

FI 923929 A 19920902

Abstract (en)

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.

IPC 1-7

**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)

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Citation (search report)

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