

Title (en)

Free-cutting alloy tool steel

Title (de)

Automatenlegierungswerkzeugstahl

Title (fr)

Acier à outil en alliage de décolletage

Publication

EP 2154260 B1 20110330 (EN)

Application

EP 09009568 A 20090723

Priority

- JP 2008189726 A 20080723
- JP 2009091602 A 20090403

Abstract (en)

[origin: EP2154260A1] The present invention provides a free-cutting alloy tool steel containing, in terms of mass%: C: from 0.50 to 0.90%, Si: from 0.50 to 2.20%, Mn: 0.8% or more, Mn+0.08Cr: from 1.35 to 2.05%, Ni: from 0.01 to 0.30%, Mo+0.5W: from 0.01 to 0.50%, V: from 0.01 to 0.15%, S: from 0.03 to 0.15%, with the balance being Fe and unavoidable impurities, in which the contents of Mn and Cr satisfy the following relationship: Mn/Cr: from 0.10 to 0.23, and the contents of Mo, W and Mn satisfy the following relationship: (Mo+0.5W)/Mn: 0.55 or less.

IPC 8 full level

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CPC (source: EP KR)

C22C 38/02 (2013.01 - KR); **C22C 38/04** (2013.01 - KR); **C22C 38/18** (2013.01 - EP); **C22C 38/38** (2013.01 - KR)

Cited by

CN112639150A; WO2020161359A1

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DOCDB simple family (publication)

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