

Title (en)  
Free-cutting alloy tool steel

Title (de)  
Automatenlegierungswerkzeugstahl

Title (fr)  
Acier à outil en alliage de décolletage

Publication  
**EP 2154260 A1 20100217 (EN)**

Application  
**EP 09009568 A 20090723**

Priority  
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• JP 2009091602 A 20090403

Abstract (en)  
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.

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**C22C 38/18** (2006.01); **B21D 37/01** (2006.01)

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

Citation (applicant)  
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Citation (search report)  
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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DOCDB simple family (publication)  
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