

Title (en)
Hot-working steel

Title (de)
Warmarbeitsstahl

Title (fr)
Acier pour usinage à chaud

Publication
EP 2824212 B1 20151209 (DE)

Application
EP 13176388 A 20130712

Priority
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Abstract (en)
[origin: WO2015004137A1] The present invention relates to a hot work steel having the following composition (in wt%): C: 0.38 - 0.45%, Si: up to 0.8%, Mn: up to 0.5%, Cr: 4.0 - 6.0%, Co: 0.3 - 0.8%, Ni: 0.8 - 2%, Mo: 2.3 - 2.8%, Ta: 0.1 - 1.0%, Al: up to 0.025%, Ti: up to 0.03%, V: 0.15 - 0.3%, N: 0.1 - 0.5%, the rest Fe and unavoidable process impurities. The hot work steel according to the invention provides an optimized combination of strength and toughness when used at high temperatures.

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C22C 38/22 (2006.01)

CPC (source: EP)
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