

Title (en)

Hot work tool steel and steel product using the same

Title (de)

Warmarbeitsstahl und Stahlprodukt damit

Title (fr)

Acier pour outil de travail à chaud et produit d'acier l'utilisant

Publication

EP 2270245 B1 20151216 (EN)

Application

EP 10006150 A 20100614

Priority

JP 2009143377 A 20090616

Abstract (en)

[origin: EP2270245A1] The present invention provides a hot work tool steel containing: 0.20#C#0.50 mass%, 0.40<Si<0.75 mass%, 0.50<Mn#1.50 mass%, 5.24#Cr#9.00 mass%, 1.08<Mo<2.99 mass%, and, 0.30<V<0.70 mass%, with the balance being Fe and unavoidable impurities; and a steel product using the hot work tool steel. The hot work tool steel is capable of improving the thermal conductivity as compared with general-purpose die steel (JIS SKD61) and has a higher impact value than that of general-purpose die steel while maintaining machinability at a level equal to or higher than that of general-purpose die steel.

IPC 8 full level

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Cited by

CN102719758A; EP2915895A3; CN112011740A; CN115058665A; CN113122684A; CN116024500A; CN115354238A; EP2662460A1; CN106048455A; CN110373611A; US11141778B2; US10988823B2; US11319621B2; WO2013167628A1; WO2014131907A1; EP2737098B1

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