

Title (en)

Steel for molding die having excellent thermal conductivity, mirror polishing properties and toughness

Title (de)

Stahl für Gussform mit ausgezeichneter Wärmeleitfähigkeit, Spiegelpolier-Eigenschaften und Zähigkeit

Title (fr)

Acier pour filière de moulage présentant une excellente conductivité thermique, des propriétés de polissage en miroir et une excellente ténacité

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2722406A1] The present invention provides a steel for a molding die, which is excellent in thermal conductivity, mirror polishing properties and toughness. The steel of the invention contains, by mass%, 0.040<C<0.100, 0.03<Si<0.28, 1.11<Mn<1.45, 0.30<Cu<0.77, 0.30<Ni<1.78, 3.23<Cr<9.00, and 0.10<Al<0.50; and further contains at least one of: 0.04<Mo<1.00 and 0.02<V<0.50, with the balance Fe and inevitable impurities.

IPC 8 full level

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CPC (source: EP KR)

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Cited by

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