

Title (en)

CORROSION-RESISTANT MIRROR DIE STEEL AND MANUFACTURING METHOD THEREFOR

Title (de)

KORROSIONSBESTÄNDIGES SPIEGELGESENKSTAHLBLECH UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

ACIER À MATRICE DE MIROIR RÉSISTANT À LA CORROSION ET PROCÉDÉ DE PRODUCTION CORRESPONDANT

Publication

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Application

EP 19840865 A 20190724

Priority

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- CN 2019097543 W 20190724

Abstract (en)

Corrosion-resistant mirror die steel and a manufacturing method therefor. The components of the die steel are: 0.35-0.45% of C, 12-15% of Cr, less than or equal to 0.05% of Co, 0.4-0.7% of Mn, 0.35-0.55% of Si, 0.08-0.20% of Mo, 0.10-0.30% of Ni, 0.08-0.30% of W, 0.10-0.30% of V, 0.01-0.05% of Ti, less than or equal to 0.020% of P, less than or equal to 0.012% of S, and the balance is Fe. The manufacturing method comprises: smelting to obtain liquid steel, casting a steel billet, annealing before forging, forging, annealing after forging, and thermal processing.

IPC 8 full level

C21D 1/18 (2006.01); **C22C 38/50** (2006.01)

CPC (source: CN EP KR)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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