Title (en)

Heat resistant alloys.

Title (de)

Hitzebeständige Legierungen.

Title (fr)

Alliages résistant aux températures élevées.

Publication

EP 0244520 A1 19871111 (EN)

Application

EP 86303435 A 19860506

Priority

- EP 86303435 A 19860506
- JP 7941485 A 19850416

Abstract (en)

An Fe-Ni based heat resistant alloy having high strength, high toughness and excellent high-temperature corrosion resistance is disclosed, which comprises 0.01-0.2% of C, not more than 2% of Si, not more than 2% of Mn, 25-50% of Ni, 13-23% of Cr, 1.5-3.5% of Ti, 0.1-0.7% of Al, 0.001-0.05% of B, 0.001-0.01% of Ca, 0.001-0.1% of REM, and the remainder being E and inevitable impurity. This alloy is suitable as a material for heat resistant components in internal combustion engine.

IPC 1-7

C22C 38/50; C22C 38/54; C22C 19/05

IPC 8 full level

C22C 38/00 (2006.01); **C22C 38/50** (2006.01); **C22C 38/54** (2006.01)

CPC (source: EP)

C22C 38/50 (2013.01); **C22C 38/54** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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