

Title (en)
Heat-resistant austenitic stainless steel.

Title (de)
Hitzebeständiger austenitischer rostfreier Stahl.

Title (fr)
Acier austénitique inoxydable et réfractaire.

Publication
EP 0434887 B1 19941214 (EN)

Application
EP 90102879 A 19900214

Priority
JP 33012889 A 19891220

Abstract (en)
[origin: EP0434887A1] A heat-resistant austenitic stainless steel is disclosed. This steel essentially consists of: not more than 0.06 C, 1 - 4% Si, 0.5 - 4% Mn, not more than 0.035% P, not more than 0.005% S, 10 - 17% Ni, 14 - 20% Cr, 1 - 4% Mo, 0.01 - 0.5% Al, not more than 0.035% N, and balance essentially Fe, and may further contain small amounts of any of Cu, REM and B and the composition thereof is adjusted so that a limited amount of delta -ferrite appears in solidification. The steel has excellent hot salt corrosion resistance, weldability, salt erosion resistance of the weld and hot-workability.

IPC 1-7
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IPC 8 full level
C22C 38/00 (2006.01); **C22C 38/44** (2006.01); **C22C 38/54** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP KR)
C22C 38/40 (2013.01 - KR); **C22C 38/44** (2013.01 - EP KR); **C22C 38/58** (2013.01 - EP)

Cited by
EP1311711A4; EP1352980A4; EP0658633A3; CN114438408A; AU724431B2; CN114635077A; US2011248071A1; US8322592B2; US2019283189A1; EP3567127A4; CN110494580A; US6568462B1; US10695874B2; WO9906602A1

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