

Title (en)
Heat-resistant austenitic stainless steel.

Title (de)
Hitzebeständiger austenitischer rostfreier Stahl.

Title (fr)
Acier austénitique inoxydable et réfractaire.

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Application
EP 90102879 A 19900214

Priority
JP 33012889 A 19891220

Abstract (en)
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.

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C22C 38/44; **C22C 38/58**

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CPC (source: EP KR)
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Citation (search report)
• [A] FR 2228119 A1 19741129 - NIPPON STEEL CORP [JP]
• [A] DE 3241414 A1 19830519 - JAPAN ATOMIC ENERGY RES INST [JP]
• [A] FR 2324752 A1 19770415 - SANDVIK AB [SE]

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