Title (en)

Oxidation-resistant iron-nickel-chromium alloy.

Title (de)

Oxydationsbeständige Eisen-Nickel-Chromlegierung.

Title (fr)

Alliage fer-nickel-chrome résistant à l'oxydation.

Publication

EP 0180927 A1 19860514 (EN)

Application

EP 85113915 A 19851031

Priority

US 66701184 A 19841101

Abstract (en)

The oxidation resistance at elevated temperatures, e.g. 982 DEG C and above, of iron-nickel-chromium alloys of specified composition is improved by limiting the manganese content to a maximum value of 0,6%. The preferred alloy consists of: Ni 20 to 45 % Cr 15 to 25 % C up to 0,3 % N up to 0,3 % A1 up to 1 % Ti up to 1 % Cu up to 2 % Si up to 1,5 % Mn up to 0,6 % Fe balance. 1

IPC 1-7

C22C 38/40; C22C 30/00

IPC 8 full level

C22C 30/00 (2006.01); **C22C 38/00** (2006.01); **C22C 38/40** (2006.01); **C22C 38/50** (2006.01)

CPC (source: EP)

C22C 30/00 (2013.01); **C22C 38/40** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE GB IT

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EP 0180927 A1 19860514; AU 4924085 A 19860508; JP S61110752 A 19860529

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