

Title (en)

High strength stainless austenitic steel with high structural stability and its uses

Title (de)

Hochfester rostfreier austenitischer Stahl mit hoher Gefügebeständigkeit und seine Verwendungen

Title (fr)

Acier inoxydable austénitique à hautes caractéristiques ayant une grande stabilité structurale et utilisations

Publication

EP 0649913 B1 20000126 (FR)

Application

EP 94402202 A 19941003

Priority

FR 9312578 A 19931021

Abstract (en)

[origin: EP0649913A1] The steel contains, by weight, from 0.35 to 0.8 % of nitrogen and from 1 to 5 % of tungsten. The chemical composition of the steel preferably comprises, in weight contents, 23 to 28 % of Cr, 15 to 28 % of Ni, 0.5 to 6 % of Mn, from 3 to 8 % of Mo, in addition to the nitrogen and tungsten. As a result of its high corrosion resistance the steel can be employed for the manufacture of massive components for any application, especially for the manufacture of equipment for oil platforms and for chemical factories, of containers for the transport of corrosive products, of ships' hulls and of plated sheets.

IPC 1-7

C22C 30/00; **C22C 38/58**; **C22C 38/00**

IPC 8 full level

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CPC (source: EP US)

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