

Title (en)

Austenitic stainless steel with high resistance against corrosion in chloride and sulfuric environments, and uses of this steel

Title (de)

Austenitischer rostfreie Stahl mit hoher Korrosionsbeständigkeit in chlorid- und schwefelenthaltende Umgebung, und seine Verwendung

Title (fr)

Acier inoxydable austénitique à haute résistance à la corrosion par les milieux chlorurés et sulfuriques et utilisations

Publication

EP 0626460 B1 20000202 (FR)

Application

EP 94401110 A 19940518

Priority

FR 9306468 A 19930528

Abstract (en)

[origin: EP0626460A1] The steel contains, in proportions by weight, from 20 to 30 % of chromium, 25 to 32 % of nickel, from 3 to 7 % of molybdenum, from 0.35 to 0.8 % of nitrogen, from 0.5 to 5.4 % of manganese, up to 0.06 % of carbon and up to 1 % of silicon. As a result of its great versatility in corrosion resistance, the steel can be employed in particular for the manufacture of equipment for decontamination of fumes, the paper pulp industry, for the chemical industry or for oil exploration, seawater plants and for the manufacture of tankers for transporting corrosive products. The steel has a very high structural stability.

IPC 1-7

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

IPC 8 full level

C22C 30/00 (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP US)

C22C 30/00 (2013.01 - EP US); **C22C 38/58** (2013.01 - EP US)

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EP0810296A1; US5841046A; EP2714955A4; WO2012161661A1; US9803267B2

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