

Title (en)

STAINLESS STEEL FOR USE IN OIL WELL TUBE

Title (de)

EDELSTAHL ZUR VERWENDUNG IN EINEM ÖLBOHRROHR

Title (fr)

ACIER INOXYDABLE DESTINÉ À ÊTRE UTILISÉ DANS UN TUYAU DE Puits DE PÉTROLE

Publication

EP 2256225 B1 20180425 (EN)

Application

EP 09726339 A 20090319

Priority

- JP 2009001238 W 20090319
- JP 2008087643 A 20080328

Abstract (en)

[origin: EP2256225A1] A stainless steel for an oil country tubular good according to the invention includes, in percent by mass, 0.001% to 0.05% C, 0.05% to 1% Si, at most 2% Mn, at most 0.03% P, less than 0.002% S, 16% to 18% Cr, 3.5% to 7% Ni, more than 2% and at most 4% Mo, 1.5% to 4% Cu, 0.001% to 0.3% rare earth metal, 0.001% to 0.1% sol. Al, 0.0001% to 0.01% Ca, at most 0.05% O, and at most 0.05% N, and the balance consists of Fe and impurities. The stainless steel according to the invention includes REM and therefore has high SCC resistance in a high temperature chloride aqueous solution environment.

IPC 8 full level

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CPC (source: EP US)

C21D 1/25 (2013.01 - EP US); **C21D 6/004** (2013.01 - EP US); **C21D 9/14** (2013.01 - EP US); **C22C 38/00** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/002** (2013.01 - EP US); **C22C 38/005** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/46** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **C21D 9/46** (2013.01 - EP US)

Cited by

EP2832881A4; EP3333276A4; EP3246418A4; US11193179B2; US10378079B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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