

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 A4 20170104 (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)

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Citation (search report)

- [I] EP 1683885 A1 20060726 - JFE STEEL CORP [JP]
- [A] EP 1662015 A1 20060531 - JFE STEEL CORP [JP]
- [A] EP 1514950 A1 20050316 - JFE STEEL CORP [JP]
- [A] JP S5993858 A 19840530 - HITACHI METALS LTD
- [AD] JP 2007332442 A 20071227 - JFE STEEL KK
- See references of WO 2009119048A1

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Designated contracting state (EPC)

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