

Title (en)

CORROSION-RESISTANT STEEL MATERIAL FOR CRUDE OIL STORAGE TANK, AND CRUDE OIL STORAGE TANK

Title (de)

KORROSIONSBESTÄNDIGES STAHLMATERIAL FÜR ROHÖLLAGERTANK UND ROHÖLLAGERTANK

Title (fr)

ACIER RÉSISTANT A LA CORROSION POUR CUVE DE STOCKAGE DE PÉTROLE BRUT ET CUVE DE STOCKAGE DE PÉTROLE BRUT

Publication

EP 2009125 A1 20081231 (EN)

Application

EP 07707039 A 20070112

Priority

- JP 2007050735 W 20070112
- JP 2006093151 A 20060330

Abstract (en)

A steel material is provided which can reduce local corrosion generated at a bottom plate and general corrosion generated at a roof plate and a side plate when the above steel material is used, for example, for an oil tank of an oil tanker, a tank for transporting crude oil, and a tank for storing crude oil. A steel material for a crude oil tank includes: 0.001 to 0.16 mass percent of C, 0.01 to 1.5 mass percent of Si, 0.1 to 2.5 mass percent of Mn, 0.025 mass percent or less of P, 0.01 mass percent or less of S, 0.005 to 0.1 mass percent of Al, 0.001 to 0.008 mass percent of N, 0.001 to 0.5 mass percent of W, and 0.06 to less than 0.20 mass percent of Cr, the balance being Fe and inevitable impurities.

IPC 8 full level

C22C 38/00 (2006.01)

CPC (source: EP KR)

C22C 38/001 (2013.01 - KR); **C22C 38/002** (2013.01 - KR); **C22C 38/008** (2013.01 - KR); **C22C 38/02** (2013.01 - EP KR); **C22C 38/04** (2013.01 - EP KR); **C22C 38/06** (2013.01 - EP KR); **C22C 38/22** (2013.01 - EP KR); **C22C 38/60** (2013.01 - EP KR)

Cited by

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Designated contracting state (EPC)

DK

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2009125 A1 20081231; **EP 2009125 A4 20170816**; **EP 2009125 B1 20180704**; CN 101415852 A 20090422; CN 101415852 B 20110907; DK 2009125 T3 20180924; KR 101023634 B1 20110322; KR 20080097479 A 20081105; WO 2007116593 A1 20071018

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EP 07707039 A 20070112; CN 200780012318 A 20070112; DK 07707039 T 20070112; JP 2007050735 W 20070112; KR 20087023204 A 20070112