

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 RESISTANT A LA CORROSION POUR CUVE DE STOCKAGE DE PETROLE BRUT ET CUVE DE STOCKAGE DE PETROLE BRUT

Publication
EP 2009125 A4 20170816 (EN)

Application
EP 07707039 A 20070112

Priority
• JP 2007050735 W 20070112
• JP 2006093151 A 20060330

Abstract (en)
[origin: EP2009125A1] 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 38/02 (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/22** (2006.01); **C22C 38/60** (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)

Citation (search report)
• [A] WO 2005100625 A1 20051027 - SUMITOMO METAL IND [JP], et al
• [A] EP 1516938 A1 20050323 - NIPPON STEEL CORP [JP]
• [A] JP 2002266052 A 20020918 - KAWASAKI STEEL CO
• See references of WO 2007116593A1

Cited by
EP2258884A4; US2018142335A1; US8398787B2

Designated contracting state (EPC)
DK

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 201110322; KR 20080097479 A 20081105; WO 2007116593 A1 20071018

DOCDB simple family (application)
EP 07707039 A 20070112; CN 200780012318 A 20070112; DK 07707039 T 20070112; JP 2007050735 W 20070112;
KR 20087023204 A 20070112