

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  
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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  
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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);  
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Citation (search report)  
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• [A] EP 1516938 A1 20050323 - NIPPON STEEL CORP [JP]  
• [A] JP 2002266052 A 20020918 - KAWASAKI STEEL CO  
• See references of WO 2007116593A1

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DK

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