

Title (en)
CORROSION-RESISTANT STEEL MATERIAL FOR CRUDE OIL TANKER

Title (de)
KORROSIONSBESTÄNDIGER STAHLWERKSTOFF FÜR ROHÖLTANKER

Title (fr)
MATÉRIAU EN ACIER RÉSISTANT À LA CORROSION POUR PÉTROLIER DE BRUT

Publication
EP 2377963 B1 20190313 (EN)

Application
EP 09835097 A 20091222

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Abstract (en)
[origin: EP2377963A1] This invention provides a corrosion-resistant steel product for tanker that is excellent in the corrosion resistance in a corrosion environment of oil tanks of tankers and also excellent in the corrosion resistance after coating in a corrosion environment of ballast tanks. Specifically, this invention provides a corrosion-resistant steel product for crude oil tanker containing, by mass%, C: 0.03 to 0.16%, Si: 0.05 to 1.50%, Mn: 0.1 to 2.0%, P: 0.025% or lower, S: 0.01% or lower, Al: 0.005 to 0.10%, N: 0.008 % or lower, Cr: more than 0.1% and 0.5% or lower, and Cu: 0.03 to 0.5% and, as an alternative addition element, one or two or more elements selected from W: 0.01 to 0.5%, Mo: 0.01 to 0.50, Sn: 0.001 to 0.2%, Sb: 0.001 to 0.5%, Ni: 0.005 to 0.3%, and Co: 0.005 to 0.3%, and further containing Cu, W, Mo, Sn, Sb, Cr, Ni, Co, S, and P in such a manner as to satisfy a specific relationship.

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Cited by
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