

Title (en)

CORROSION-RESISTANT STEEL FOR HOLD OF COAL CARRYING VESSEL OR COAL/ORE CARRYING VESSEL

Title (de)

KORROSIONSBESTÄNDIGER STAHL ZUM HALTEN EINES KOHLEGEFÄSS ODER EINES KOHLE/ERZ-GEFÄSSES

Title (fr)

ACIER RÉISTANT À LA CORROSION DESTINÉ À LA CALE D'UN TRANSPORTEUR DE CHARBON OU D'UN TRANSPORTEUR DE CHARBON/MINÉRAI

Publication

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Application

EP 12866465 A 20120425

Priority

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- JP 2012061624 W 20120425

Abstract (en)

[origin: EP2808411A1] The present invention provides a corrosion-resistant steel for a coal carrier or ore/coal carrier hold, wherein corrosion after peeling of a coating film can be inhibited under a cyclic wet and dry environment and a low pH environment. Specifically, the corrosion-resistant steel for a coal carrier or ore/coal carrier hold is characterized in that the chemical composition of the steel contains C: 0.010 to 0.200 percent by mass, Si: 0.05 to 0.50 percent by mass, Mn: 0.10 to 2.0 percent by mass, P: 0.0250 percent by mass or less, S: 0.010 percent by mass or less, Al: 0.0050 to 0.10 percent by mass, Sb: 0.010 to 0.50 percent by mass, N: 0.0010 to 0.0080 percent by mass, and in addition, the remainder composed of Fe and incidental impurities.

IPC 8 full level

C22C 38/00 (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP)

C21D 6/005 (2013.01); **C22C 38/001** (2013.01); **C22C 38/002** (2013.01); **C22C 38/02** (2013.01); **C22C 38/04** (2013.01); **C22C 38/06** (2013.01); **C22C 38/08** (2013.01); **C22C 38/16** (2013.01); **C22C 38/18** (2013.01); **C22C 38/40** (2013.01); **C22C 38/42** (2013.01); **C22C 38/60** (2013.01); **C21D 2211/004** (2013.01)

Citation (search report)

- [X] EP 1990437 A1 20081112 - JFE STEEL CORP [JP]
- [X] EP 1460145 A1 20040922 - NIPPON STEEL CORP [JP]
- [XA] JP H0953149 A 19970225 - KOBE STEEL LTD
- [A] JP H0971837 A 19970318 - NIPPON KOKAN KK
- See references of WO 2013111355A1

Cited by

US2018148811A1; RU2630086C1; CN111655889A; EP3744872A4; US9982331B2

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DOCDB simple family (publication)

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