

Title (en)

STEEL MATERIAL FOR STRUCTURES HAVING EXCELLENT WEATHER RESISTANCE AND STEEL STRUCTURE

Title (de)

STAHLMATERIAL FÜR STRUKTUREN VON HERVORRAGENDER WETTERFESTIGKEIT UND STAHLSTRUKTUR

Title (fr)

ACIER POUR DES STRUCTURES POSSÉDANT UNE EXCELLENTE RÉSISTANCE AUX INTEMPÉRIES ET STRUCTURE EN ACIER

Publication

EP 2484790 B1 20180523 (EN)

Application

EP 10820733 A 20100928

Priority

- JP 2009226164 A 20090930
- JP 2010187057 A 20100824
- JP 2010067310 W 20100928

Abstract (en)

[origin: EP2484790A1] A structural steel material and a steel structure that have high corrosion resistance are provided at low cost. A structural steel material contains C: 0.020% or more and less than 0.140%, Si: 0.05% or more and 2.00% or less, Mn: 0.20% or more and 2.00% or less, P: 0.005% or more and 0.030% or less, S: 0.0001% or more and 0.0200% or less, Al: 0.001% or more and 0.100% or less, Cu: 0.10% or more and 1.00% or less, Ni: 0.10% or more and less than 0.65%, and W: 0.05% or more and 1.00% or less, and one or both of Nb: 0.005% or more and 0.200% or less and Sn: 0.005% or more and 0.200% or less, the balance being iron and unavoidable impurities.

IPC 8 full level

C22C 38/00 (2006.01); **C21D 6/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/08** (2006.01); **C22C 38/12** (2006.01); **C22C 38/14** (2006.01); **C22C 38/16** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP KR US)

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