

Title (en)

Steel product excellent in corrosion resistance and corrosion fatigue resistance, and surface treatment method therefor

Title (de)

Stahlteil mit hervorragendem Korrosionswiderstand und Korrosionsermüdungswiderstand, sowie Oberflächendbehandlung zur Herstellung

Title (fr)

Pièce en acier avec une excellente résistance à la corrosion et une excellente résistance à la fatigue de corrosion et procédé de traitement de surface pour en obtenir

Publication

EP 1743955 A3 20070124 (EN)

Application

EP 06014476 A 20060712

Priority

JP 2005206977 A 20050715

Abstract (en)

[origin: EP1743955A2] The invention provides a steel product excellent in corrosion resistance and corrosion fatigue resistance, comprising a coating film on the surface of the steel product, wherein a ratio of the number of Al atoms to the total number of Fe, C, Al, P and O atoms and optionally added Si, Mn and Cr atoms is 0.5% or more in an average composition of the coating film, and the number of Al atoms in the average composition of the coating film is higher than the number of Al atoms in an average composition of the steel product before surface treatment.

IPC 8 full level

C23C 22/20 (2006.01)

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Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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DOCDB simple family (application)

EP 06014476 A 20060712; CN 200610105920 A 20060714; ES 06014476 T 20060712; JP 2005206977 A 20050715; KR 20060065909 A 20060713; US 48498806 A 20060711