

Title (en)

HIGHLY CORROSION-RESISTANT, DOUBLE-COATED STEEL SHEET EXCELLENT IN COATABILITY AND PREVENTED FROM BLISTERING IN ELECTRODEPOSITION COATING AND PROCESS FOR PRODUCING THE SAME

Publication

EP 0419678 A4 19931201 (EN)

Application

EP 90905670 A 19900406

Priority

- JP 8927189 A 19890407
- JP 19252789 A 19890727

Abstract (en)

[origin: WO9012128A1] A double-coated steel sheet having a zinc-base coating containing at least a zinc alloy coating or a zinc composite coating and having a coating weight of 25 g/m² or above, formed on a steel sheet, and an iron-base coating containing at least an iron coating or an iron alloy coating of an iron content of 50 % or above and having a coating weight of 1 to 10 g/m², formed on the zinc-base coating, wherein the total hydrogen occlusion of the coating and the steel is limited to 300 ml/m² or below (per sheet face). This sheet has such an excellent coatability that it is prevented from both cratering and blistering in electrodeposition coating and is especially suitable as a rust-preventive steel sheet for automobiles. This steel sheet is produced by applying the aforementioned double-coating on a steel sheet and heat-treating the coated sheet at 100 to 400C.

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C25D 5/10

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [X] EP 0293476 A1 19881207 - NISSHIN STEEL CO LTD [JP]
- [X] EP 0047987 A1 19820324 - NIPPON STEEL CORP [JP]
- See also references of WO 9012128A1

Cited by

EP2327805A1; US9895863B2

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