

Title (en)

PROCESS FOR THE TREATMENT OF ROLLED STEEL FOR INCREASING CORROSION RESISTANCE

Publication

EP 0305914 A3 19890809 (DE)

Application

EP 88113916 A 19880826

Priority

DE 3729177 A 19870901

Abstract (en)

[origin: EP0305914A2] To apply a coating of a non-ferrous metal such as, for example, zinc to the surface of rolled steel to increase the corrosion resistance, it is proposed to descale the rolled steel continuously downstream of the rolling step from the rolling pass by applying pressurised water and, immediately after descaling and while preventing a renewed formation of scale, to cool it by means of water rapidly to a temperature suitable for hot application of the coating and finally to apply the coating. One of the advantages of the invention is that, both for descaling and for preventing the renewed formation of scale and for simultaneous cooling, only a single medium, namely water, is used, and the cooling can be controlled in such a way that the rolling pass can be exploited in an optimised manner for the coating. The result is that all process steps or treatment processes can proceed as a continuous extension of the rolling step, i.e. at rolling speed, so that the finished coated end product leaves the production line analogously to a normal, not aftertreated rolled product.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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