

Title (en)

Process and device for surface treatment of hot rolled metal sheets or strips

Title (de)

Verfahren und Anlage zur Oberflächenbehandlung von warmgewalzten Bändern oder Blechen aus Metall

Title (fr)

Procédé et dispositif pour le traitement de surface de tôles ou bandes métalliques laminées à chaud

Publication

EP 1134296 A3 20040128 (DE)

Application

EP 01106505 A 20010315

Priority

DE 10012801 A 20000316

Abstract (en)

[origin: EP1134296A2] Process for surface treating hot rolled metal sheets or strips (6) comprises homogeneously cooling the rolled material over its width and length directly after the last deformation step in the mill train to a temperature at which scale formation is reduced or suppressed, and annealing the weakly scaled rolling material under reducing conditions to completely descale its surface and to adjust the required mechanical properties. Preferred Features: The rolling material is fed through a continuous annealing oven (8) having heating (13), holding (14) and cooling zones (15) to heat the material to 500-800 degrees C, hold the material at this temperature and cool it to 100-700 degrees C.

IPC 1-7

C21D 8/02; C21D 1/74; B21B 45/06

IPC 8 full level

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Citation (search report)

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Designated contracting state (EPC)

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