

Title (en)

Method and cooling aggregate for cooling rolling stock at rolling-temperature, especially hot wide strip

Title (de)

Verfahren und Kühlaggregat zum Kühlen von walzwarmem Walzgut, insbesondere von Warmbreitband

Title (fr)

Procédé et agrégat de refroidissement pour refroidir des produits de laminage chauds, notamment des bandes larges laminées à chaud

Publication

EP 0875304 B1 20031210 (DE)

Application

EP 98107703 A 19980428

Priority

DE 19718530 A 19970502

Abstract (en)

[origin: EP0875304A2] Cooling of a rolled product (1) is by forced convection, with pressurised water stream in a pressure space (10) and a convection space (13). The intensity of forced convection is controlled by individually adjustable parameters such as the duration of stay of the product in the spaces (10, 13), as well as the amount, pressure and flow velocity of the cooling medium. The amount of heat taken from the product is preferably such that a safe distance from the boiling point is attained, and unstable film evaporation is avoided. The corresponding apparatus includes an amount and pressure controllable nozzle gap (11) for entry of the cooling medium into the pressure space (10), and diffusor (12) with means (16) for extraction of the cooling medium. A constriction (33) is located between the pressure and convection spaces.

IPC 1-7

B21B 45/02

IPC 8 full level

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CPC (source: EP)

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