

Title (en)

COOLING OF A ROLLED STOCK UPSTREAM OF A FINISHING TRAIN OF A HOT ROLLING PLANT

Title (de)

KÜHLEN EINES WALZGUTS VOR EINER FERTIGSTRASSE EINER WARMWALZANLAGE

Title (fr)

REFROIDISSEMENT D'UN PRODUIT LAMINÉ EN AMONT D'UN TRAIN FINISSEUR D'UN LAMINOIR À CHAUD

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Application

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Priority

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Abstract (en)

[origin: WO2022258350A1] The invention relates to a method for cooling a rolled product (15) in a cooling section (19) which is located upstream of a finishing train (9) of a hot rolling mill (1) and which comprises at least one cooling device (21, 22, 23) by means of which a coolant flow of a coolant (35) can be delivered onto a rolled product surface (29) of the rolled product (15). In the method, a coolant flow is delivered, by means of each cooling device (21, 22, 23) and in each cooling section pass, onto the rolled product surface (29), which flow is set to a set value that is assigned to the relevant cooling device (21, 22, 23) for the cooling section pass. The set values for a cooling section pass are determined in a simulation of the cooling section pass in such a manner that surface temperatures, determined in the simulation, of the rolled product surface (29) upon leaving active regions (31, 32, 33) of the cooling device (21, 22, 23) do not exceed a minimum value for a surface temperature of the rolled product surface (29).

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