

Title (en)  
COOLING BAR AND COOLING PROCESS WITH VARIABLE COOLING RATE FOR STEEL SHEETS

Title (de)  
KÜHLBALKEN UND KÜHLPROZESS MIT VARIABLER ABKÜHLRATE FÜR STAHLBLECHE

Title (fr)  
BARRE DE REFROIDISSEMENT ET PROCESSUS DE REFROIDISSEMENT AVEC TAUX DE REFROIDISSEMENT VARIABLE POUR TÔLES D'ACIER

Publication  
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Application  
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Abstract (en)  
[origin: WO2019101486A1] 1. A cooling device (28) with a variable cooling rate for treating metal materials, in particular for cooling steel sheets (22) in plate mills, hot strip mills or thermal treatment lines, by means of a spray nozzle cooling system. 1.1 The cooling device consists of at least two cooling bars (16, 16a, 17, 17a), one of each two cooling bars being situated on the lower side and the other on the upper side transversely to the sheet travel direction (21) of the sheet (22) and centrally between two roller table rollers (12, 13, 14), and each cooling bar comprising a spray nozzle cooling system with which a large number of full jet nozzles and a large number of full cone nozzles are associated, the full jet nozzles being arranged symmetrically with respect to the full cone nozzles (20). 2. A method for operating the cooling device according to the invention.

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