

Title (en)
LIQUID COOLING OF A STRIP RUNNING IN A CONTINUOUS LINE

Title (de)
FLÜSSIGKEITSKÜHLUNG EINES IN EINER KONTINUIERLICHEN LEITUNG LAUFENDEN BANDES

Title (fr)
REFROIDISSEMENT LIQUIDE D'UNE BANDE EN DEFILEMENT DANS UNE LIGNE CONTINUE

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Application
EP 22750726 A 20220704

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Abstract (en)
[origin: WO2023285747A1] The invention relates to a cooling chamber (2) for cooling a metal strip (1) running vertically in a continuous treatment line, said chamber comprising an upper cooling zone (3) in which a cooling liquid is sprayed onto the strip, and an intermediate zone (36) for drying the strip, comprising at least one nozzle (8) intended to form a blade (32) of gas impacting the strip at an acute angle A less than 80°, and preferably less than 60°, characterized in that the nozzle (8) is situated in an enclosure (33) defined by the strip and profiled sheet metalwork (20) arranged facing the strip, said profiled sheet metalwork forming a barrier to the ingress of liquid into the enclosure. The invention also relates to a continuous treatment line comprising the chamber and to a quenching method implemented in the line.

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