

Title (en)

VERTICAL FURNACE FOR A CONTINUOUS HEAT TREATMENT OF A METAL STRIP

Title (de)

VERTIKALOFEN ZUR KONTINUIERLICHEN WÄRMEBEHANDLUNG EINES METALLBANDES

Title (fr)

FOUR VERTICAL POUR LE TRAITEMENT THERMIQUE CONTINU D'UNE BANDE MÉTALLIQUE

Publication

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Application

**EP 21805346 A 20211020**

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Abstract (en)

[origin: WO2022082246A1] The invention relates to a vertical furnace (1) for a continuous heat treatment of a metal strip (2), in particular an electric strip, wherein the vertical furnace (1) has - when viewed in the conveying direction of the metal strip (2) - an inlet zone (3) for the metal strip (2); - a heating/holding zone (4) with an annealing chamber for a heating process and for a thermal dwell process of the metal strip (2); - a first cooling zone (5) for cooling the metal strip (2); and - a deflecting device (6), which is arranged downstream of the first cooling zone (5) and comprises at least one roller assembly (7), for deflecting the metal strip (2) in the direction of an outlet zone (8) for the metal strip (2), a second cooling zone (9) being arranged downstream of the deflecting device (6) in the conveying direction.

IPC 8 full level

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