

Title (en)
SEQUENTIALLY COOLING METAL WIDE FLAT PRODUCTS

Title (de)
SEQUENZIELLES KÜHLEN VON METALLISCHEN BREITFLACHPRODUKTEN

Title (fr)
REFROIDISSEMENT SÉQUENTIEL DE PRODUITS LARGES PLATS MÉTALLIQUES

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Application
EP 20733703 A 20200609

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Abstract (en)
[origin: WO2020249573A1] The invention relates to a device (4) for sequentially cooling metal wide flat products (3), comprising at least one cooling bar (13) and a supply unit for supplying the cooling bar (13) with a coolant, wherein the cooling bar (13) has a fluid chamber, at least one fluid outlet row running along a longitudinal axis of the fluid chamber, and at least one modifying unit arranged at least partially within the fluid chamber for modifying a length of the fluid outlet row at at least one end region of the fluid chamber. The device (4) has at least one open-loop and/or closed-loop control electronics system (14) connected to the supply unit and the modifying unit, which is designed to control the supply unit and the modifying unit in such a way that, with a reduced fluid outlet row, a volume flow rate of the coolant exiting out of the fluid outlets of the reduced fluid outlet row is increased by a coolant volume flow rate in relation to a volume flow rate exiting out of the respective fluid outlet of a maximum fluid outlet row when there is a maximum fluid outlet row, said coolant volume flow rate corresponding to at least one part of a volume flow rate of the coolant exiting out of the fluid outlets of the maximum fluid outlet row, when there is the maximum fluid outlet row, that are closed by the modifying device when there is the reduced fluid outlet row.

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