

Title (en)

FLEXIBLE HEAT TREATMENT INSTALLATION FOR METALLIC STRIP OF A HORIZONTAL CONSTRUCTION

Title (de)

FLEXIBLE WÄRMEBEHANDLUNGSANLAGE FÜR METALLISCHES BAND IN HORIZONTALER BAUWEISE

Title (fr)

INSTALLATION DE TRAITEMENT À CHAUD, FLEXIBLE, POUR UNE BANDE MÉTALLIQUE DANS UNE CONSTRUCTION HORIZONTALE

Publication

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Application

**EP 17781402 A 20170915**

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Abstract (en)

[origin: WO2018050857A1] 1. Title. Flexible heat treatment installation for metallic strip of a horizontal construction. 2. Abstract. 2.1 To achieve the best possible properties when continuously annealing and hot-dip galvanizing Al-killed deep-drawing and TRIP steels, in-line postheat treatments are carried out with relatively long treatment times. However, this has the serious disadvantage of adversely affecting the conditions for optimum production of IF and dual-phase steels with respect to their properties and cost-effectiveness. The invention is intended to make it possible to adapt the treatment times in a horizontal postheat treatment unit specifically to the requirements of the type of steel treated in each case. 2.2 The solution to the problem addressed is a device in a postheat treatment chamber (1) of a continuous strip installation. A supporting structure (2) is designed in such a way that in it a front roller arrangement can be moved horizontally forwards or backwards on at least one looper car (3). Acting together with a rear fixed roller arrangement (4), a strip can be looped through the treatment chamber, loops of different lengths, and consequently different treatment times, being achieved by moving the front arrangement forwards or backwards. 2.3 The invention makes it possible that, when strip is running through a flexible postheat treatment zone of a horizontal arrangement, the run-through times are adapted optimally to the requirements of the type of steel treated in each case.

IPC 8 full level

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See references of WO 2018050857A1

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