Title (en)

METHOD AND DEVICE FOR CHANGING THE TEMPERATURE OF METAL STRIPS IN A FLATNESS-ADAPTIVE MANNER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR PLANHEITSADAPTIVEN TEMPERATURÄNDERUNG VON METALLBÄNDERN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE VARIATION DE TEMPÉRATURE, ADAPTATIVE EN TERMES DE PLANÉITÉ, DE BANDES MÉTALLIQUES

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Application

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Abstract (en)

[origin: WO2017017150A1] The invention relates to a device for changing the temperature of a metal strip, in particular a metal strip made of aluminum or an aluminum alloy, comprising means for changing the temperature of the metal strip by heating or cooling, wherein the metal strip is moved in the strip direction relative to the means for changing the temperature of the metal strip using means for transporting the metal strip. The aim of the invention is to provide a device for changing the temperature of metal strips, said device allowing an improved process control and a higher degree of precision with respect to the flatness of the treated metal strip, in particular during temperature changes of the aluminum strip. According to the invention, this is achieved using a device in that means for changing the temperature of the metal strip have a plurality of individual temperature-control means which heat or cool the metal strip only in some regions, and in each case at least a plurality of the temperature-control means can be positioned in a translationally and/or rotationally variable manner relative to the metal strip.

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