

Title (en)

METHOD AND DEVICE FOR CONVECTIVE HEAT TRANSFER BETWEEN A HEAT TRANSFER MEDIUM AND THE SURFACE OF A WORKPIECE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KONVEKTIVEN WÄRMEÜBERTRAGUNG ZWISCHEN EINEM WÄRMEÜBERTRAGUNGSMITTEL UND DER OBERFLÄCHE EINES WERKSTÜCKES

Title (fr)

PROCEDE ET UN DISPOSITIF POUR TRANSMETTRE LA CHALEUR PAR CONVECTION ENTRE UN SUPPORT DE TRANSMISSION THERMIQUE ET LA SURFACE D'UNE PIECE

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Abstract (en)

[origin: WO03078665A2] The invention relates to a method and a device for convective heat transfer between a heat transfer medium and a surface, in particular the front face of a wound metal strip in the form of a coil, said surface being impinged upon by the heat transfer medium by means of at least one nozzle wall. The heat transfer medium can be a fluid or a gas. The device is characterised in that at least one of the nozzle walls (10; 11) and the surface to be impinged are mutually mobile during the heat treatment. In a preferred embodiment of the invention, the nozzle walls can be rotated about a rotational axis (71), which corresponds to the primary axis (70) of the coil, or is substantially parallel to said primary axis.

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