

Title (en)

DEVICE FOR HEATING A MOVING MATERIAL STRIP, ESPECIALLY PREHEATER FOR A CORRUGATED BOARD MACHINE

Title (de)

HEIZVORRICHTUNG FÜR EINE BEWEGTE MATERIALBAHN, INSBESONDERE VORHEIZER FÜR EINE WELLPAPPENANLAGE

Title (fr)

DISPOSITIF DE CHAUFFAGE POUR UNE BANDE DE MATERIAU MOBILE, EN PARTICULIER PRECHAUFFEUR POUR INSTALLATION A CARTON ONDULE

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Application

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Abstract (en)

[origin: US6485402B1] The invention pertains to a heating arrangement for a moving material web, particularly a pre-heater for a corrugated cardboard facility, with a rotating heating roll (3) which can be wrapped around by the material web (13) to be heated at a predetermined looping angle, and with at least two guide mechanisms (7, 11) for the material web which can pivot around the periphery of the heating roll while maintaining their relative positions to each other. The looping angle is determined by means of the position of a first (7) of the at least two guide mechanisms. A second (11) of the at least two guide mechanisms is arranged relative to the first guide mechanism such that in the position of the guide mechanisms defining the maximum looping angle, the material web (13) not directly wrapping around the heating roll (3) is guided at a distance from the heating roll by means of a second guide mechanism (11). According to the invention, a third guide mechanism (9) is provided which, in the direction of the circumference of the heating roll (3) and in a position opposite the position of maximum looping angle, completely lifts the web from the periphery of the heating roll (3) at the position defining the minimum looping angle.

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