

Title (en)

METHOD FOR CALENDERING A LINE OF A PRODUCT WITH A VERTICAL MULTI-ROLL CALENDER, AND CORRESPONDING CALENDER

Title (de)

VERFAHREN ZUM KALANDRIEREN EINER WARENBAHN MIT EINEM VERTIKALEN MEHRWALZEN-KALANDER UND EIN KALANDER HIERZU

Title (fr)

PROCEDE DE CALANDRAGE D'UNE BANDE DE PAPIER AVEC UNE CALANDRE VERTICALE A PLUSIEURS ROULEAUX ET CALANDRE CORRESPONDANTE

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Abstract (en)

[origin: DE19820089A1] The invention relates to a method for calendering a line of a product with a vertical multi-roll calender (1). According to said method, several intermediate rolls (4, 5, 6) are situated between a top bend-controlled roll (2) and a bottom bend-controlled roll (3). This roll assembly forms nips (N), with a top and bottom nip, the line passing through said nips. The roll assembly also determines line loads in these nips. The line loads of the nips can be modified by introducing deformation forces through the roll pins (7, 8, 9) of the intermediate rolls. In order to adapt the line loads in the nips to the line to be calendered, the deformation forces introduced through the roll pins of the intermediate rolls are selected with the aim of ensuring that the intermediate rolls receive essentially the same bend for exerting load pressures or relief pressures. The degree of bend is regulated in accordance with a determined modification of the line load differential between the top and bottom nip determined by the rolls. The bend-controlled rolls are then adjusted to suit this bend.

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