

Title (en)
METHOD AND ARRANGEMENT FOR CALENDERING A WEB COMPRISING A LONG-NIP CALENDER

Title (de)
VERFAHREN UND ANORDNUNG ZUM KALANDRIEREN EINER BAHN MIT LANGSPALTKALANDER

Title (fr)
PROCEDE DE CALANDRAGE D'UNE FEUILLE CONTINUE ET SYSTEME ASSOCIE COMPORTANT UNE CALANDRE A GRANDE LONGUEUR DE CONTACT

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Abstract (en)
[origin: WO0229159A1] The invention relates to a method and calender arrangement for calendering a material web (W), especially a paper or board web, in a long-nip calender, in which the backing roll (11) of the long-nip roll (15) is a heated, chilled-surface roll. The length of the long nip (N) in the direction of travel of the material web (W) is within the range from approximately 10 mm to 500 mm. In the invention, as a long-nip roll (15) is used a roll, the belt mantle (30) of which is made of metal at least as concerns its calendering, longitudinal, central area (31). In the method, a nip pressure within the range from 0.1 MPa to about 50 MPa is directed at the material web (W), and the surface temperature of the rolls (11, 15) before the nip (N) is adjusted to a value from about 60 DEG C to about 350 DEG C.

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