

Title (en)

Process for treating a web of material and calender

Title (de)

Verfahren zum Behandeln einer Materialbahn und Kalender

Title (fr)

Procédé pour le traitement d' une bande de matière et calandre

Publication

EP 1225274 B1 20060405 (DE)

Application

EP 01129894 A 20011215

Priority

DE 10101182 A 20010112

Abstract (en)

[origin: DE10101182C1] To process a paper web, the surface is polished by passing through a number of nips in a calender formed by a stack of paired calender rollers. The web surface is polished before passing through the calender nips, using a roller nip without slippage, where the two rollers have soft mantles. For polishing the paper web surface, both the calender rollers in the additional leading nip are powered, and both sides of the web are treated identically. The additional roller nip is outside the plane of the nips formed by the paired calender rollers. An Independent claim is included for a calender assembly, with an additional roller nip outside the stack (2) of calender rollers. It is formed by two powered soft rollers (24, 25) with identical surface characteristics. The rollers are rotated at a surface speed which matches the web (21) speed of travel.

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