

Title (en)

Process and calender for smoothing a fibrous web

Title (de)

Verfahren und Kalandrier zum Glätten einer Faserstoffbahn

Title (fr)

Procédé et calandre pour le lissage d' une bande fibreuse

Publication

EP 1318235 B1 20070509 (DE)

Application

EP 02024768 A 20021107

Priority

DE 10157692 A 20011124

Abstract (en)

[origin: EP1318235A2] The calender (1) to polish the surface of a paper or cardboard web (2) has a nip (10) between two rollers where the web passes through. The nip is a wide nip between a roller (3) and a counter surface formed by a rotating mantle (4) and a support shoe (5). The roller is driven at a different speed from the rotary speed of the mantle. The roller rotates faster than the mantle and with a faster speed than the speed of web travel, and it is heated. The roller and the mantle have speed controls as a roller drive (14) and a mantle brake (15). The mantle has a higher friction coefficient against the web than the roller.

IPC 8 full level

D21G 1/00 (2006.01)

CPC (source: EP)

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Cited by

AU2003293176B2; US7497925B2; WO2004050992A3; US7497926B2; US6893535B2; US6887348B2

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