

Title (en)

Calender for smoothing a fibrous web

Title (de)

Kalander zum Glätten einer Bahn aus Faserstoff

Title (fr)

Calandre pour le lissage d' une bande fibreuse

Publication

EP 1314820 B1 20070711 (DE)

Application

EP 02024342 A 20021102

Priority

DE 10157688 A 20011124

Abstract (en)

[origin: DE10157688C1] Calender has a nip formed between a roller and a mantle belt moving around it. The belt is held by supports around a section of the roller circumference, and press the web against the roller surface. The roller is heated, and an auxiliary belt with thermal conductivity travels between the roller surface and the web through the nip. Calender (1) has a nip (5) formed between a roller (3) and a mantle belt (4) moving around it. The belt is held by supports (6) around a section of the roller circumference, and press the web against the roller surface. The roller is heated, and an auxiliary belt (8) with thermal conductivity travels between the roller surface and the web through the nip. On emerging from the nip, the hot auxiliary belt travels with the web and against it over a given path length (9). In the free travel path, a cooling unit (10) acts on the side of the hot auxiliary belt towards the roller.

IPC 8 full level

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