

Title (en)

Calender roll and method for driving a calender roll

Title (de)

Kalenderwalze und Verfahren zum Betreiben einer Kalenderwalze

Title (fr)

Rouleau de calandre et procédé d'entraînement pour un rouleau de calandre

Publication

EP 1645685 B1 20080130 (DE)

Application

EP 05105710 A 20050627

Priority

DE 102004049230 A 20041009

Abstract (en)

[origin: EP1645685A1] A papermaking calendar drum has a mantle (2) incorporating a number of heating ducts (8) at regular intervals and linked to a heat fluid inlet and outlet. The ducts have supplementary temperature regulators (23, 25, 32, 33) with heating elements that facilitate setting different temperatures between the individual ducts. Each individual duct has a temperature regulator coupled to an electrical heating element. The electrical heating element is inductive, microwave or infrared. The temperature regulation system rotates with the calendar drum. also claimed is a commensurate operating process.

IPC 8 full level

D21G 1/02 (2006.01)

CPC (source: EP)

D21G 1/0266 (2013.01); **D21G 1/0286** (2013.01); **F28F 5/02** (2013.01)

Cited by

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Designated contracting state (EPC)

AT DE FI SE

DOCDB simple family (publication)

EP 1645685 A1 20060412; **EP 1645685 B1 20080130**; AT E385272 T1 20080215; DE 102004049230 A1 20060420; DE 502005002714 D1 20080320

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