

Title (en)

Calender and method for operating a calender

Title (de)

Kalander und Verfahren zum Betreiben eines Kalanders

Title (fr)

Calandre et procédé pour le fonctionnement d'une calandre

Publication

EP 1333121 B1 20060621 (DE)

Application

EP 03000903 A 20030116

Priority

DE 10204286 A 20020202

Abstract (en)

[origin: EP1333121A1] A calender (1) has a heated drum (2) with a flexible plastic mantle (3) resting under pressure (6) in contact with a lower drum (4) mantle (3). A wide nip (5) is defined by the upper (2) and lower (4) drums. The mantle (3) esp. is of greater thickness over the working width (A) than in the peripheral zones (R). The working zone (A) and peripheral zones (R) are separated by a transition zone (U) in which the mantle (3) thickness continually increases. The mantle surface is straight over the width of the working zone (A). The mantle (3) is supported at each end by discs (11) which can be displaced radially. The mantle inner surface is straight over the entire width (R + A + R). The mantle is supported axially over its entire width by a beam (8) with end-discs. The mantle centre-section is supported internally by a lift-shoed (16) which is synchronised with the press jack (6).

IPC 8 full level

D21G 1/00 (2006.01); **D21F 3/02** (2006.01)

CPC (source: EP)

D21G 1/006 (2013.01)

Cited by

EP1634994A1; EP1609907A1; EP2420617A1; US7287974B2

Designated contracting state (EPC)

DE FI SE

DOCDB simple family (publication)

EP 1333121 A1 20030806; EP 1333121 B1 20060621; DE 10204286 A1 20030814; DE 10204286 B4 20060202; DE 50303891 D1 20060803

DOCDB simple family (application)

EP 03000903 A 20030116; DE 10204286 A 20020202; DE 50303891 T 20030116