

Title (en)

Calender and process smoothing a paper or cardboard web

Title (de)

Kalender und Verfahren zum Glätten einer Papier- oder Kartonbahn

Title (fr)

Calandre et procédé pour le lissage d' une bande de papier ou carton

Publication

EP 1318232 A3 20030910 (DE)

Application

EP 02024065 A 20021029

Priority

DE 10157686 A 20011124

Abstract (en)

[origin: EP1318232A2] The calender (1), to polish the surface of a paper or cardboard web, has at least two rollers (3,4) bearing against a common rotating mantle (7) forming nips (10,11) according to the number of rollers. The mantle is supported by press shoes (8,9) at the nips, for the web (2) to pass through. The rollers are heated to different temperatures, to give different heat levels at the nips for the web. The first roller (3) is heated to a temperature of 150-250 degrees C, and the second roller (4) is kept cool at a temperature level of 30-50 degrees C.

IPC 1-7

D21G 1/00

IPC 8 full level

D21G 1/00 (2006.01)

CPC (source: EP)

D21G 1/006 (2013.01)

Citation (search report)

- [A] FR 2297271 A1 19760806 - WIGGINS TEAPE LTD [GB]
- [A] CH 601686 A5 19780714 - ESCHER WYSS AG
- [A] EP 0967324 A2 19991229 - VOITH SULZER PAPIERTECH PATENT [DE]
- [A] FR 2588293 A1 19870410 - WAERTSILAE OY AB [FI]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1318232 A2 20030611; EP 1318232 A3 20030910; EP 1318232 B1 20060628; DE 10157686 A1 20030612; DE 10157686 B4 20051117; DE 50207372 D1 20060810

DOCDB simple family (application)

EP 02024065 A 20021029; DE 10157686 A 20011124; DE 50207372 T 20021029