

Title (en)

Calender and method for smoothing paper or cardboard webs

Title (de)

Kalander und Verfahren zum Glätten einer Papier- oder Kartonbahn

Title (fr)

Calandre et procédé pour le lissage de bandes de papier ou carton

Publication

EP 1314819 A3 20040102 (DE)

Application

EP 02024341 A 20021102

Priority

DE 10157687 A 20011124

Abstract (en)

[origin: EP1314819A2] The calender (1), to polish a paper web, has a nip (11) between a heated roller (3) and a rotating flexible mantle (5), which is pressed against a given surface segment of the heated roller by a support (7). An additional heated metal belt (15) is passed through the nip, to give a surface polishing zone between the belt and the roller, and to pass through the nip between the web (2) and the rotating mantle. The belt heater (16) is in front of the nip. A cooling unit (23) acts on the rotating mantle, after the nip.

IPC 1-7

D21G 1/00

IPC 8 full level

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

CPC (source: EP)

D21G 1/006 (2013.01); **D21G 1/0253** (2013.01)

Citation (search report)

- [PX] WO 02068755 A2 20020906 - METSO PAPER INC [FI], et al
- [X] WO 9844196 A1 19981008 - VALMET CORP [FI], et al
- [AD] EP 0370185 A1 19900530 - ESCHER WYSS GMBH [DE]

Cited by

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Designated contracting state (EPC)

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EP 1314819 A2 20030528; **EP 1314819 A3 20040102**; **EP 1314819 B1 20060809**; DE 10157687 A1 20030612; DE 10157687 B4 20051117; DE 50207775 D1 20060921

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