

Title (en)

Calender, particularly for treating a paper web

Title (de)

Kalander, insbesondere zur Behandlung einer Papierbahn

Title (fr)

Calandre, en particulier pour le traitement d' une bande de papier

Publication

**EP 0945546 A3 20000223 (DE)**

Application

**EP 99105649 A 19990319**

Priority

DE 19813640 A 19980327

Abstract (en)

[origin: EP0945546A2] At least one roller (6-9) forming the double soft nip pair (19-21) is heated. Preferred features: At least one of the two nips has a heated roller. Surfaces (22) forming the nip are smooth, with a mean roughness (Ra), of up to 0.5  $\mu$ m under operational conditions. Rollers comprise a hard core (11) and resilient surface layer (10) having a predetermined, high thermal conductivity. This layer is very thin, being less than 4 mm, and especially 0.02-2 mm thick. It is a plastic, applied as a coating. One roller (7) forming the double nip has an overcoat (13) of metal, ceramic or plastic on the surface layer. All central rollers have a resilient surface and are of the same construction.

IPC 1-7

**D21G 1/00**; **D21G 1/02**

IPC 8 full level

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

CPC (source: EP US)

**D21G 1/00** (2013.01 - EP US)

Citation (search report)

- [A] DE 4026774 A1 19920305 - VOITH GMBH J M [DE]
- [A] WO 9741298 A1 19971106 - VALMET CORP [FI]
- [A] EP 0728867 A2 19960828 - VOITH SULZER FINISHING GMBH [DE]

Cited by

EP2194187A1; AT505347B1; EP2314764A1; EP2325387A3; DE102008044369A1

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