

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 A2 19990929 (DE)

Application

EP 99105649 A 19990319

Priority

DE 19813640 A 19980327

Abstract (en)

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 μm 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.

Abstract (de)

Es wird ein Kalander (1) angegeben, insbesondere zur Behandlung einer Papierbahn (18), mit einem Walzenstapel aus mindestens drei Walzen (2, 3, 6-9) und mit mindestens einem Doppelweichnip (19, 21), der durch zwei Walzen (6-9) mit elastischer Oberfläche gebildet ist. Bei einem derartigen Kalander möchte man die Einwirkungsmöglichkeiten auf die Materialbahn verbessern. Hierzu ist mindestens eine der den Doppelweichnip (19-21) bildenden Walzen (6-9) beheizbar. <IMAGE>

IPC 1-7

D21G 1/00

IPC 8 full level

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

CPC (source: EP US)

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