

Title (en)
Calender for paper webs or similar material

Title (de)
Kalender für Bahnen aus Papier oder ähnlichem Material

Title (fr)
Calandre pour bandes de papier ou analogue

Publication
EP 0972877 B1 20030827 (DE)

Application
EP 99111771 A 19990618

Priority
DE 19832066 A 19980716

Abstract (en)
[origin: EP0972877A2] The calender assembly, to process webs of paper and similar materials, has a roller (8) with an adjustable bending action in one roller stack (2) and a similar roller (9) in the other roller stack (3). They are of a lifting roller mantle type, and are next to each other to give an additional roller nip (34). The roller bend adjustment mechanism acts selectively at the associated roller stack (2,3) or to the other adjustable bend roller (8,9). The roller bend adjustment system has a support which is moved by an angle through a setting unit (22). The bearing mounting for the carrier of at least one adjustable bending roller (9) has an eccentric, which can reduce the gap between it and the neighboring adjustable bend roller (8). The eccentric is rotated together with the carrier by the setting unit (22). The two stacks of rollers (2,3) have a common center plane, at an angle to the horizontal. The roller stacks (2,3) have an uneven number of rollers and preferably five rollers in each, where each nip (25-33) is formed by a hard and a soft roller. The adjustable bend rollers (8,9) forming an additional nip (34) both have elastic mantle claddings.

IPC 1-7
D21G 1/00

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); **D21G 1/022** (2013.01 - EP US); **D21G 1/0226** (2013.01 - EP US)

Cited by
EP1739230A1; EP1895049A1; EP1188858A1; US7862492B2; WO0163047A1; WO2007033845A1; WO2007054624A3

Designated contracting state (EPC)
AT DE FI FR GB SE

DOCDB simple family (publication)
EP 0972877 A2 20000119; **EP 0972877 A3 20000517**; **EP 0972877 B1 20030827**; AT E248250 T1 20030915; CA 2277428 A1 20000116; DE 19832066 A1 20000217; DE 19832066 C2 20000608; DE 59906745 D1 20031002; US 6336398 B1 20020108

DOCDB simple family (application)
EP 99111771 A 19990618; AT 99111771 T 19990618; CA 2277428 A 19990715; DE 19832066 A 19980716; DE 59906745 T 19990618; US 35363199 A 19990715