

Title (en)
Machine for making a web material

Title (de)
Maschine zur Herstellung einer Materialbahn

Title (fr)
Machine pour la fabrication d'une bande de matériau

Publication
EP 0985763 A2 20000315 (DE)

Application
EP 99114584 A 19990726

Priority
DE 19840021 A 19980902

Abstract (en)
The papermaking machine (10) has cutters (32,34) at the fourdrinier (22) to trim the web (12) width according to required format. The width of the suction zone at the pick-up suction roller (14) is set by bars (36,38), to the required web format width. The cutters (32,34) and bars (36,38) have a synchronized and simultaneous setting movement through a motor-powered adjustment system (40,42,44). The web width cutters are spray jets (32,34) to trim the edges of the web (12). The adjustment system has a control unit (40), with the data for the web (12) format and the nominal positions for the edge cutters (32,34) and suction roller bars (36,38). A number of web formats are held in memory and/or are programmed at the control (40). At least one path measurement unit (46) is connected to the control (40). The setting controls (42,44) are operated by spindle drives, with at least one setting motor on the spindle. The setting drives can also be operated by piston/cylinder units, where the setting drives (42,44) and the path monitor (46) are connected to the control (40). To produce a leader strip, an additional spray jet cutter has a lateral movement across the web (12), with a setting drive operated by the control (40). To transfer the leader strip into the press section (II), the format cutters (32,34) and format suction bars (36,38) are initially moved into the maximum width (Bmax) setting and, after the transfer of the leader strip, they are returned to the nominal positions for the required web format width. At least part of the setting drive system (42,44) is remote controlled.

Abstract (de)
Eine Maschine 10 zur Herstellung einer Materialbahn 12 wie insbesondere Papier- oder Kartonbahn umfaßt eine zwischen einer Siebpartie I und einer Pressenpartie II angeordnete, von einem luftdurchlässigen Endlosband 16 umschlungene Abnahmesaugwalze 14, in deren Bereich die Materialbahn 12 durch das Endlosband 16 von einem Siebband 22 übernommen wird, um anschließend einer ersten Presse 18 der Pressenpartie II zugeführt zu werden. Hierbei ist die Breite der Materialbahn 12 über im Bereich des Siebbandes 22 vorgesehene verstellbare Formatschneidelemente 32, 34 und die Saugbreite der Abnahmesaugwalze 14 über dieser zugeordnete verstellbare Formatleisten 36, 38 einstellbar, wobei Mittel 40, 42, 44 für eine vorzugsweise gleichzeitige, zumindest im wesentlichen synchrone motorische Verstellung der Formatschneidelemente 32, 34 und der Formatleisten 36, 38 vorgesehen sind. <IMAGE>

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D21F 2/00

IPC 8 full level
D21F 1/56 (2006.01); **D21F 2/00** (2006.01); **D21F 3/10** (2006.01)

CPC (source: EP US)
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