

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 A3 20010411 (DE)

Application
EP 99114584 A 19990726

Priority
DE 19840021 A 19980902

Abstract (en)
[origin: EP0985763A2] 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.

IPC 1-7
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)
D21F 1/56 (2013.01 - EP US); **D21F 2/00** (2013.01 - EP US); **D21F 3/10** (2013.01 - EP US)

Citation (search report)
• [A] US 2709398 A 19550531 - BEACHLER EDWARD D
• [A] US 2714342 A 19550802 - BEACHLER EDWARD D

Cited by
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Designated contracting state (EPC)
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DE 19840021 A1 20000309; DE 59909892 D1 20040812; EP 0985763 A2 20000315; EP 0985763 A3 20010411; EP 0985763 B1 20040707; US 6277244 B1 20010821

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DE 19840021 A 19980902; DE 59909892 T 19990726; EP 99114584 A 19990726; US 38751599 A 19990901