

Title (en)
Headbox for papermaking machines

Title (de)
Stoffauflauf für Papiermaschinen

Title (fr)
Caisse de tête de machines à papier

Publication
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Application
EP 97101711 A 19910608

Priority
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Abstract (en)
[origin: EP0462472A1] The invention relates to a headbox for papermaking machines, having a distributor for distributing a fed pulp suspension over the working width of the papermaking machine, a guiding device, having a multiplicity of holes or channels, for the pulp suspension and an outflow channel, as wide as the machine, with an outflow gap for distributing the pulp suspension, and also with means for adjusting the stock consistency of the pulp suspension across the working width. The invention is characterised by the following features: (a) The headbox is divided by partitions into sections across its width; (b) the individual section has at least one inlet line for feeding a part-stream (sectional stream); (c) a mixer is provided upstream of the individual inlet line; (d) the mixer has at least two connections for supplying suspension streams (control streams) with preset operating parameters (throughput, stock consistency, fibre quality). <IMAGE>

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Citation (search report)
• [Y] DE 3628699 A1 19880303 - VOITH GMBH J M [DE]
• [Y] DE 3244055 A1 19830721 - ASEA AB [SE]

Cited by
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EP 0462472 A1 19911227; AT E214442 T1 20020315; AT E227370 T1 20021115; CA 2045038 A1 19911221; CA 2045038 C 20060214; DE 4019593 A1 19920109; DE 4019593 C2 19940120; DE 59109230 D1 20020418; DE 59109243 D1 20021212; EP 0785305 A1 19970723; EP 0785305 B1 20020313; EP 0789107 A2 19970813; EP 0789107 A3 20000119; EP 0789107 B1 20021106; FI 20020790 A 20020424; FI 912230 A0 19910508; FI 912230 A 19911221; JP 3301623 B2 20020715; JP H04333688 A 19921120

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