

Title (en)
SUSPENSION EQUALIZER

Title (de)
SUSPENSIONSEGLISATOR

Title (fr)
EGALISEUR DE SUSPENSION

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Application
EP 99939914 A 19990619

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Abstract (en)
[origin: WO9967460A1] A feed line (10) for supplying a suspension in the distribution system (20) of the stock flow (30) of a paper machine is provided with a suspension equalizer (40) arranged upstream from the distribution system (20) and connected thereto by means of a straight feed piece. The suspension equalizer acts as a turbulence generator, whereby it sets the suspension into a state of turbulence with such force that the suspension is homogenized and the acceleration profile of the suspension is equalled out inside the cross-section of the feed line. This also enables optimum stock flow conditions to be created directly prior to the stock flow or even with relatively long feed lines running through windings or curves in order to meet the quality requirements for paper production. In one preferred embodiment, the turbulence generator consists of a tube section that is similar in shape to a venturi tube with an abruptly reduced cross section (42), followed by a gradual expansion of said cross section (45).

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