Title (en)

PROCESS AND DEVICE FOR STABILISING A TRAVELLING WEB

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STABILISIERUNG EINER LAUFENDEN BAHN

Title (fr)

PROCEDE ET DISPOSITIF POUR STABILISER UNE BANDE EN DEFILEMENT

Publication

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Application

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Abstract (en)

[origin: WO9510474A1] The invention relates to a process and a suitable device for implementing it to stabilise a travelling web (B) in a free-running stretch between two supports, in which air is blown on the web (B) on one side from a nozzle arrangement (16) which is surrounded by a substantially flat wall surface (9). The wall surface (9) is parallel to the web (B) and comprises an air duct (14) extending transversely to the direction of travel of the web (B) and having a V-shaped cross section, in which the nozzle arrangement is fitted. The nozzle arrangement consists of mutually staggered hole-like outlets (16, 16') machined in the opposite walls of the air duct. The underpressure region generated by the crossing air flows draws the web towards the flat wall surface (9) on going below a critical distance so that it assumes a position of equilibrium at a certain distance which is determined by the diameter of the outlets and hence the thickness of the air cushion generated by the crossing air flows.

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