

Title (en)  
DEVICE FOR THE CONTACTLESS GUIDING OF WEBS

Publication  
**EP 0298299 B1 19911009 (DE)**

Application  
**EP 88109878 A 19880622**

Priority  
DE 3722354 A 19870707

Abstract (en)  
[origin: EP0298299A1] The device possesses at least two blowing nozzles 2,3 in the form of slots or rows of holes arranged one behind the other in the running direction of the material web 1 and extending across the web. The air jets from these jet nozzles 2, 3 are in the same direction and directed at an angle against the material web 1. On the side facing away from the material web jet, flow guidance bodies 12, 12a, 12b, 13 are provided, of which the flow guidance body 12 adjoining the rear, in the running direction of the material web 1, nozzle 2 is curved in a convex manner towards the material web 1. The flow guidance bodies 12a, 12b positioned between the convexly curved guidance body 12 and the front jet nozzle 3 are designed as a thrust diffuser. With such a device, a material web 1 is guided in a flutter-free manner even under difficult conditions. This action is further improved if the flow guidance body 13 adjoining the front lip 8 of the front blowing nozzle 3 is also curved in a convex manner towards the material web 1. <IMAGE>

IPC 1-7  
**D21F 5/18**

IPC 8 full level  
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CPC (source: EP US)  
**D21F 5/042** (2013.01 - EP US); **D21F 5/188** (2013.01 - EP US)

Citation (examination)  
WO 8808950 A1 19881117 - KRIEGER KURT [DE]

Cited by  
US5471766A; EP0561256A1; EP0532486A1; EP2226424A1; CN101831832A; US6936137B2; US6557269B1; WO03035974A1; WO0013998A3

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