

Title (en)  
WET END OF A PAPER-MAKING MACHINE

Publication  
**EP 0069925 B1 19851211 (DE)**

Application  
**EP 82105865 A 19820701**

Priority  
DE 3128156 A 19810716

Abstract (en)  
[origin: US4416730A] The disclosure concerns the wire end section of a paper making machine. The wire belt is an endless loop and the pulp suspension is supplied by one or more head boxes. The head box has an upstream and a downstream flow guide wall defining a pulp outlet opening between them. The downstream guide wall has a convexly curved slide shoe which cooperates with the passing wire belt to define a web-forming zone. At the other side of the wire belt, upstream of the outlet opening, another convexly curved wire support surface is defined for leading the wire belt into the web-forming zone. Both of the convexly curved surfaces are displaceable transversely to the direction of pulp flow from the head box. The radius of curvature of the slide shoe is greater at the outlet opening and smaller away from the outlet opening. The radius of curvature of the cooperating supporting surface on the other side of the belt is smaller than the mean radius of curvature of the slide shoe. Where a plurality of head boxes are provided, drainage water from one head box is collected and is pumped to supply water for the other head box, and vice-versa.

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**D21F 1/02**

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